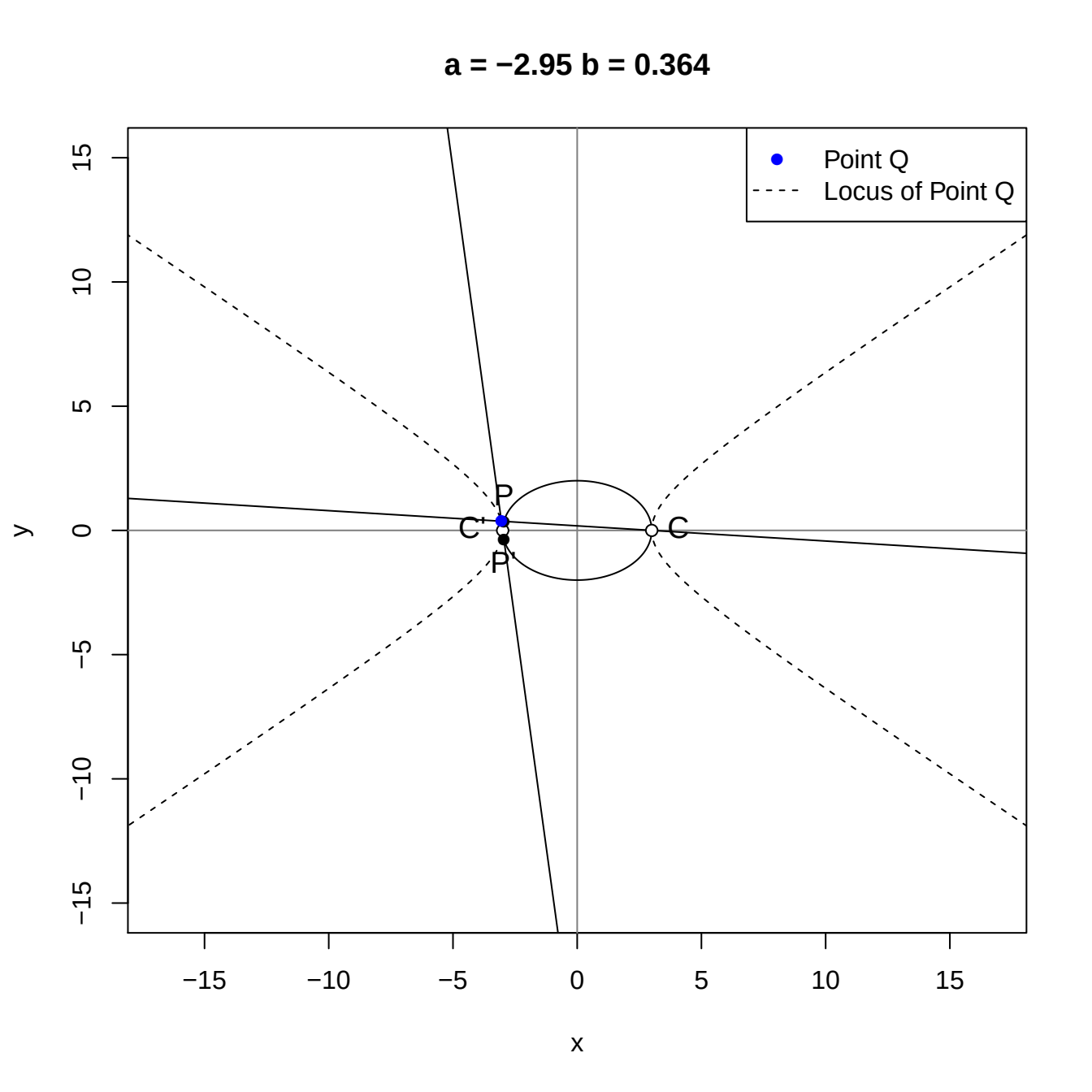
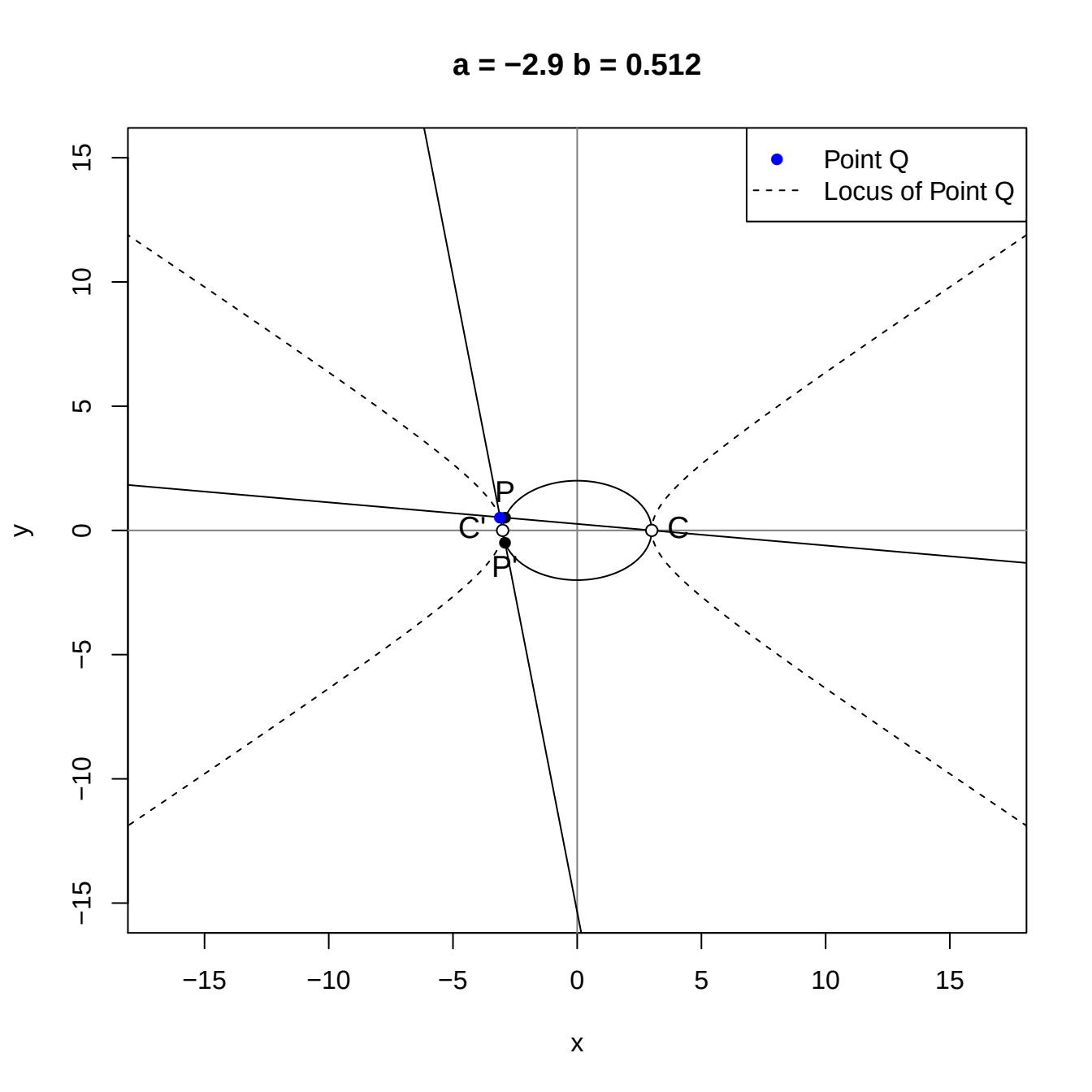
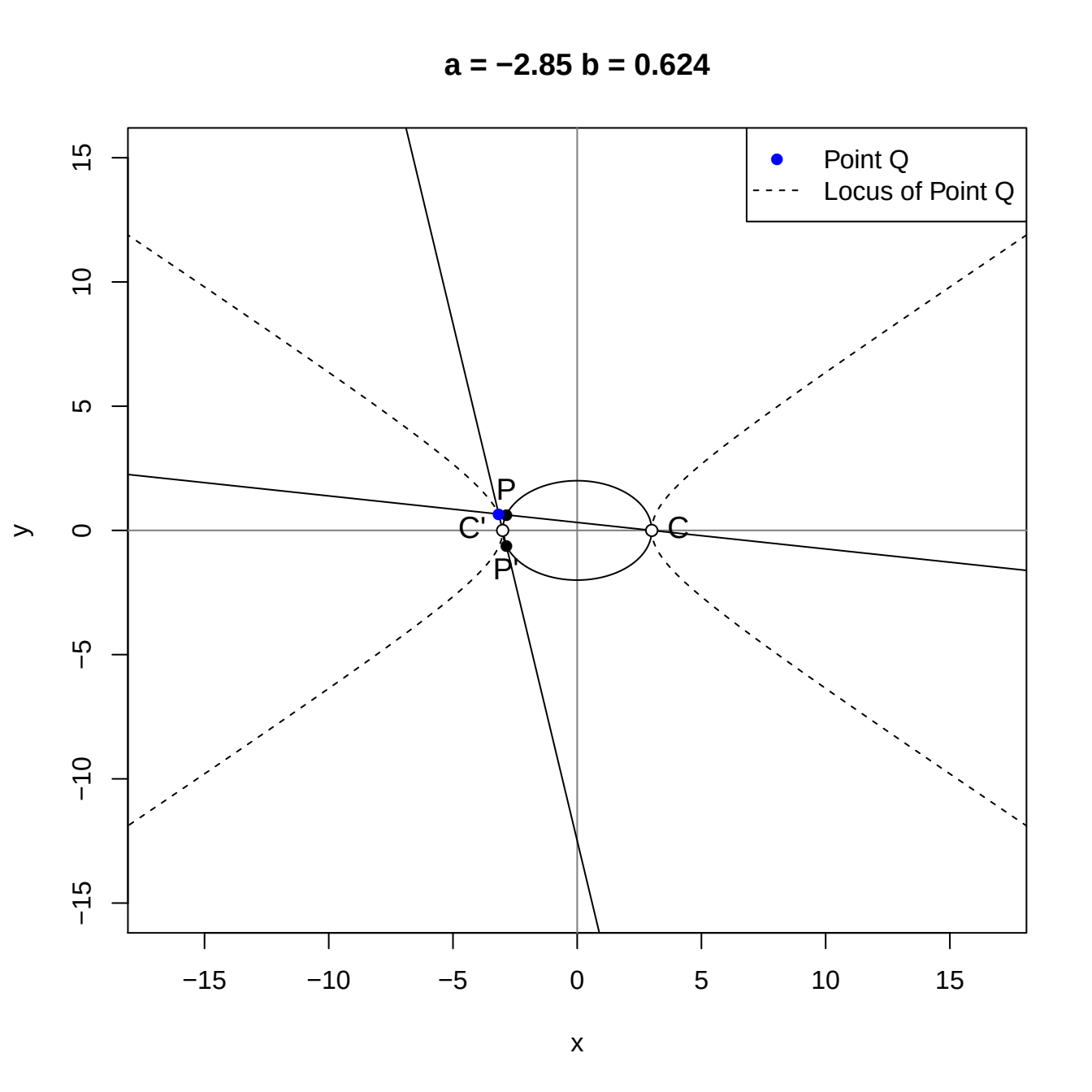
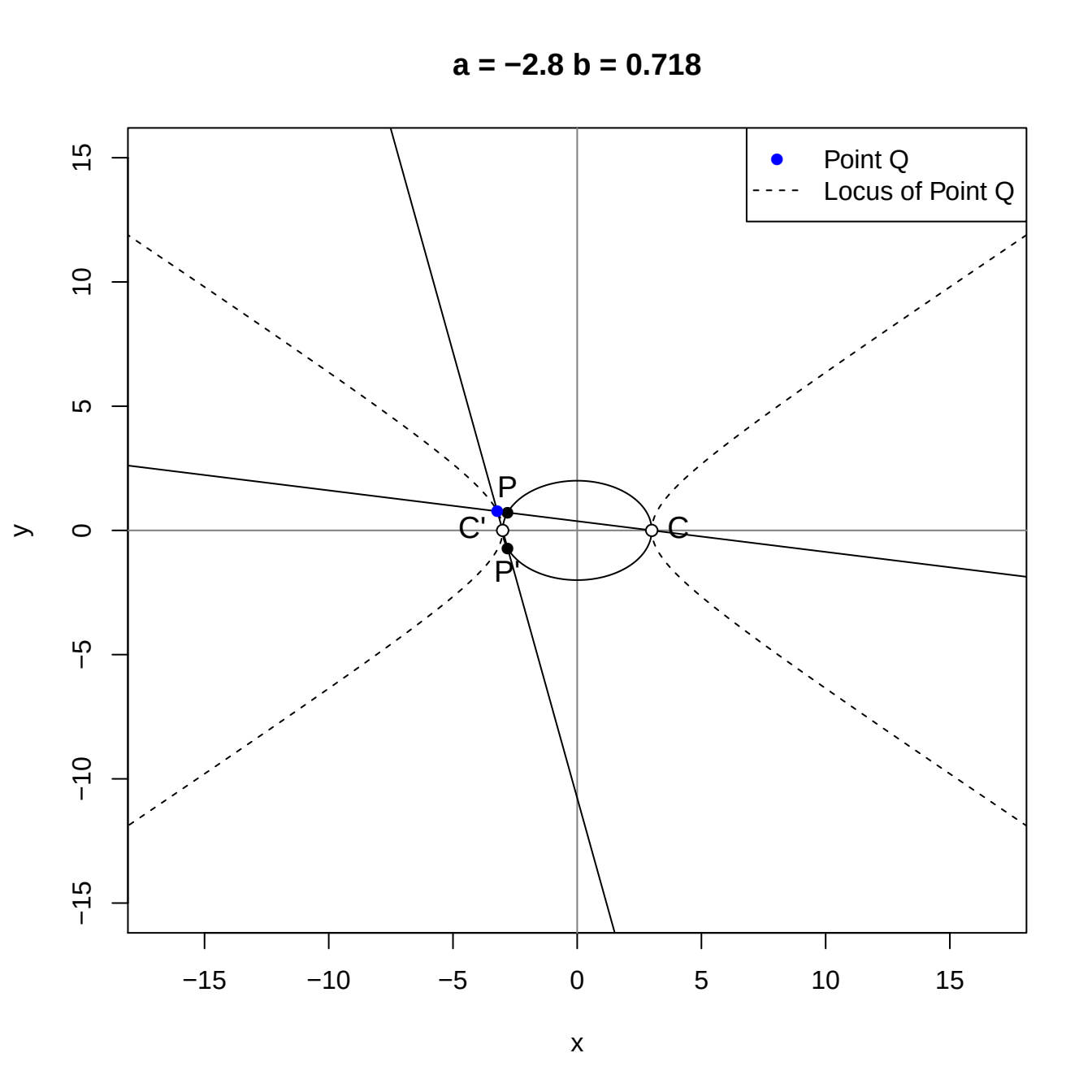
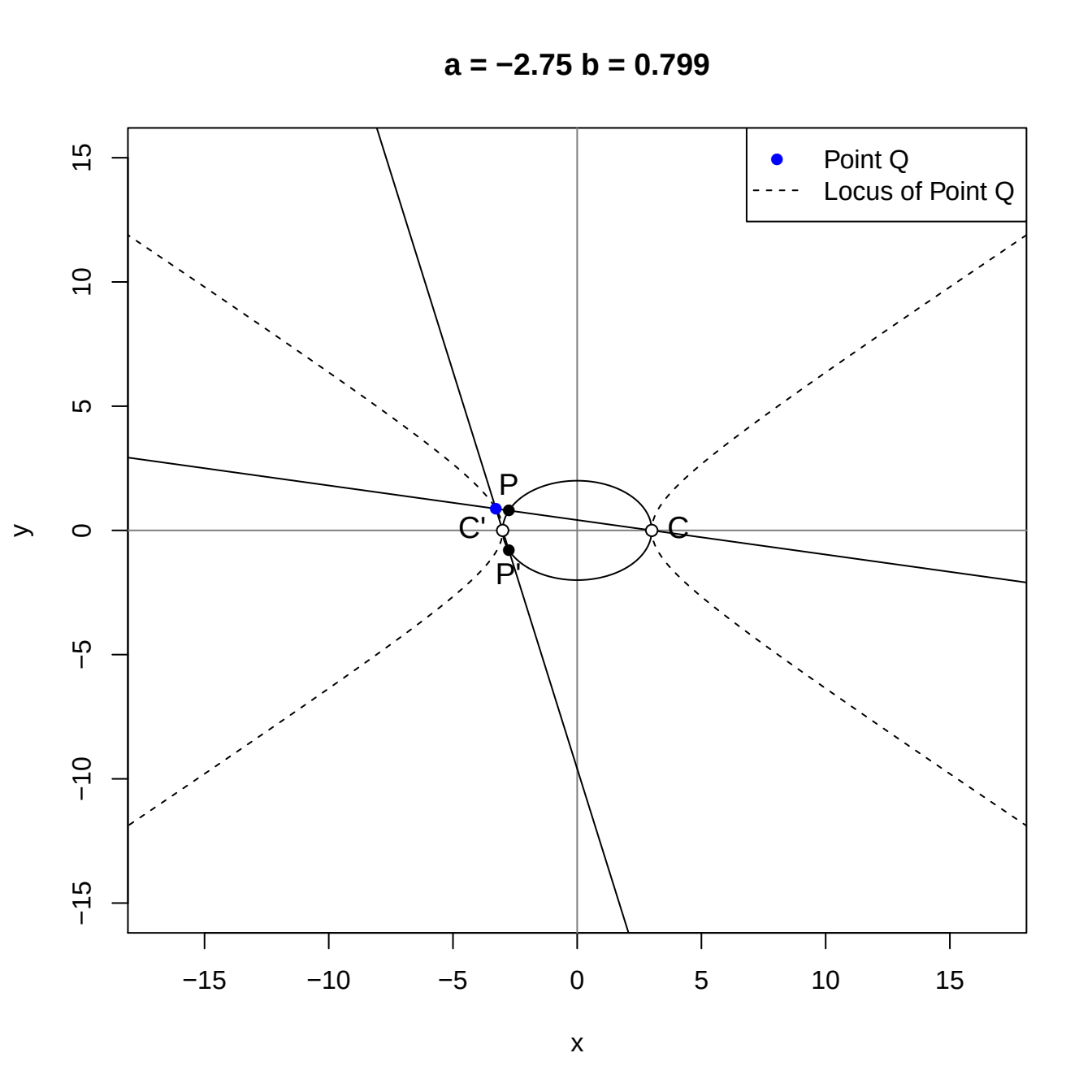
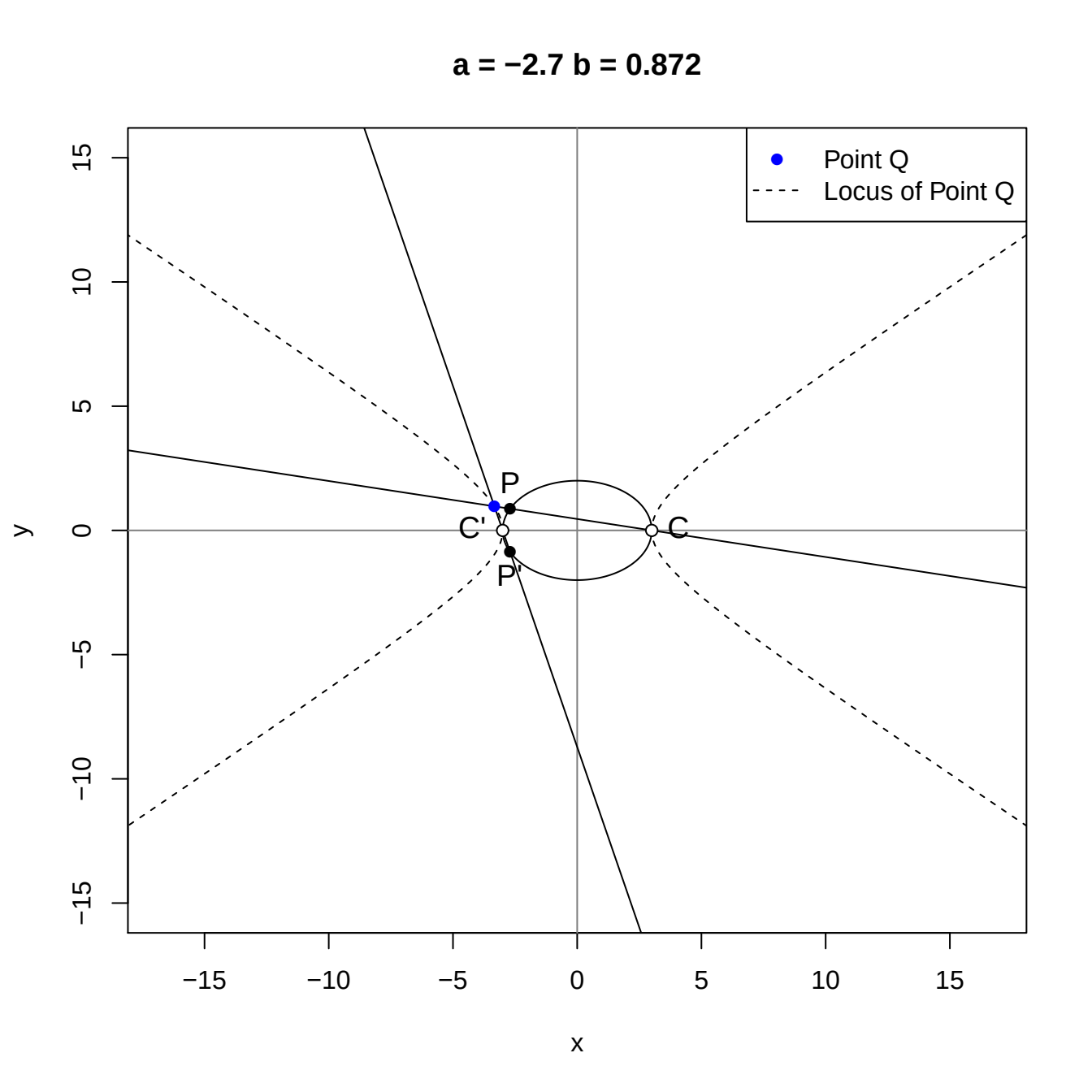

a = −2.95 b = 0.364
Point Q
Locus of Point Q
P
C'
C
P'
15
10
5
0
−5
−10
−15
y
−15
−10
−5
0
5
10
15
x

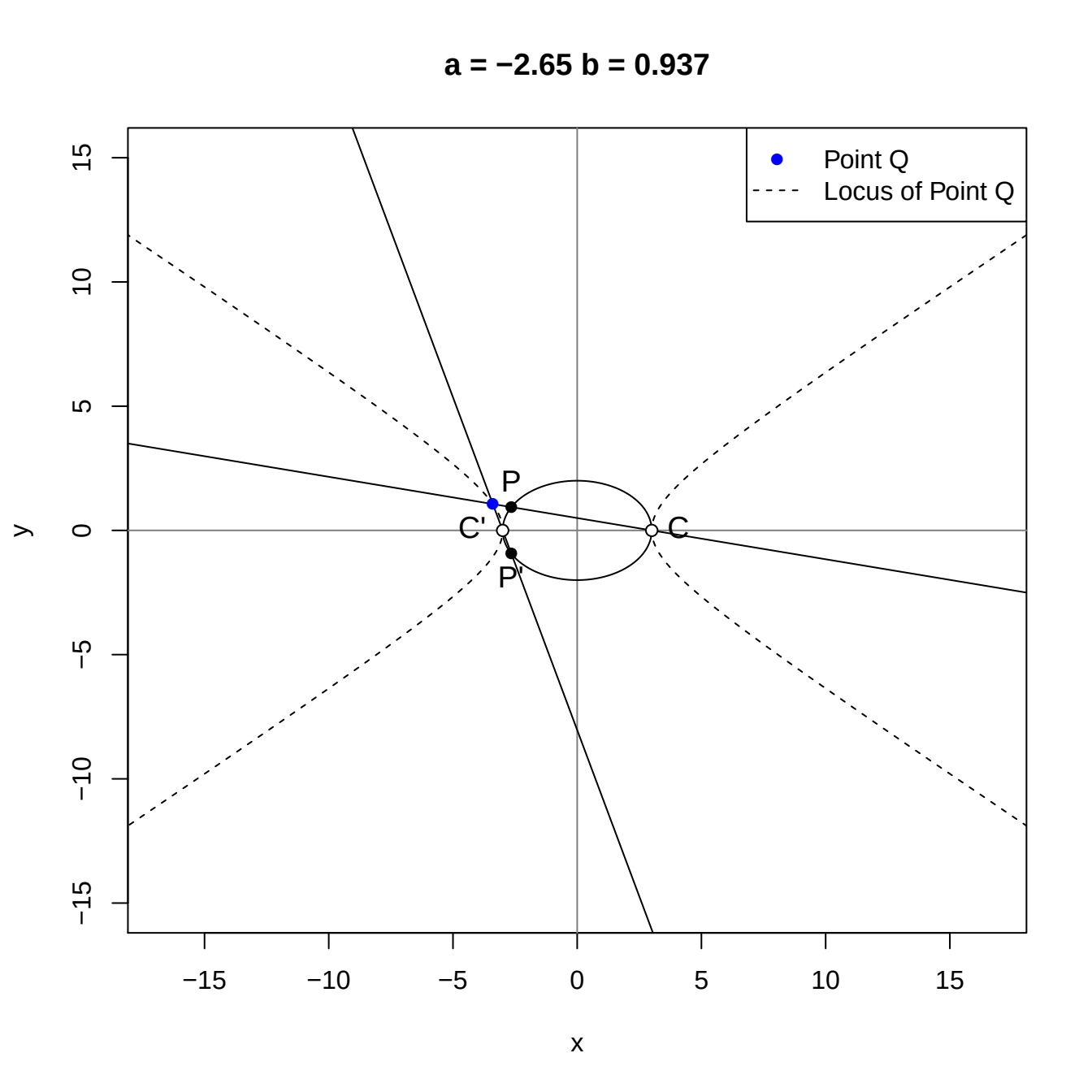

a = −2.9 b = 0.512
Point Q
Locus of Point Q
P
C'
C
P'
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

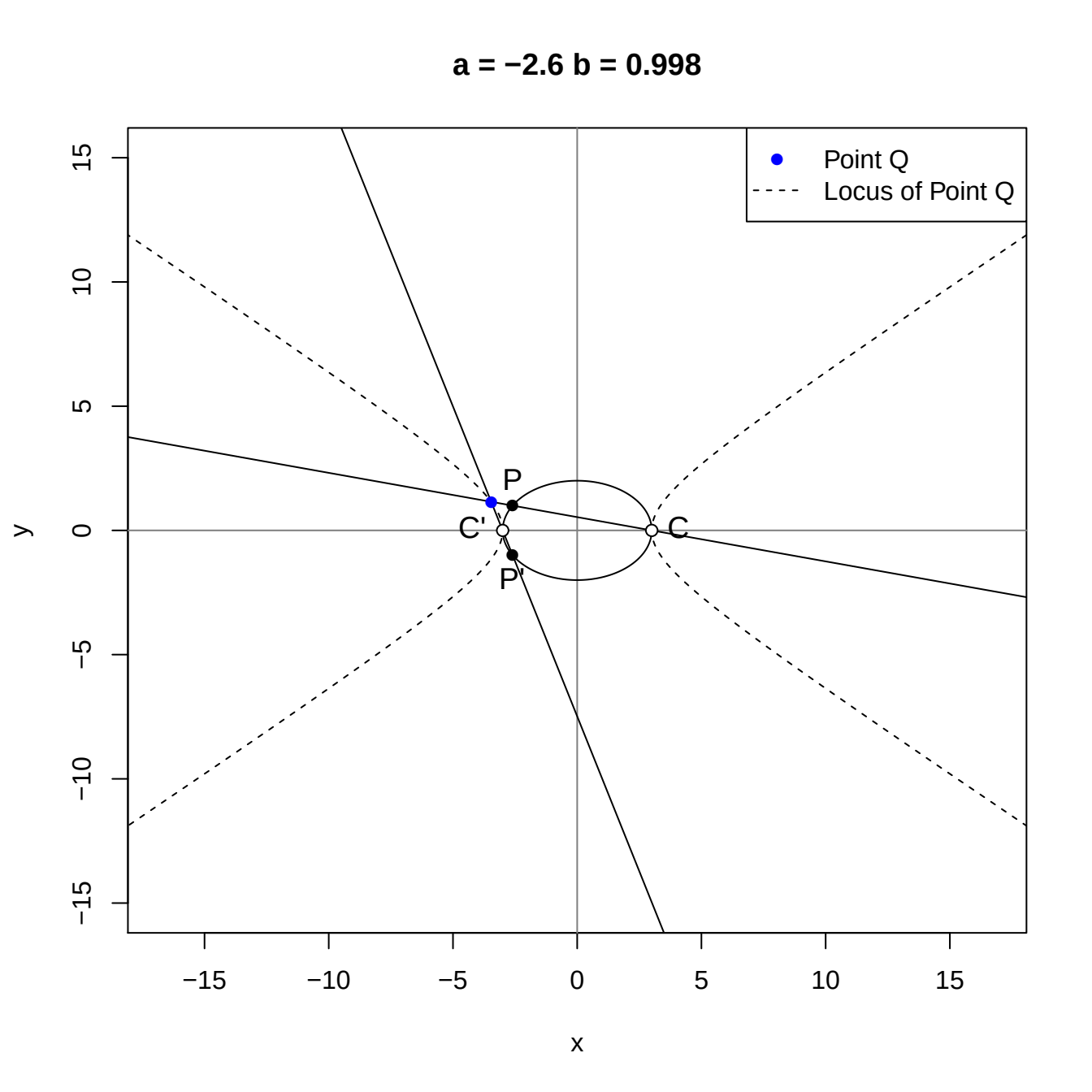

a = −2.85 b = 0.624
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

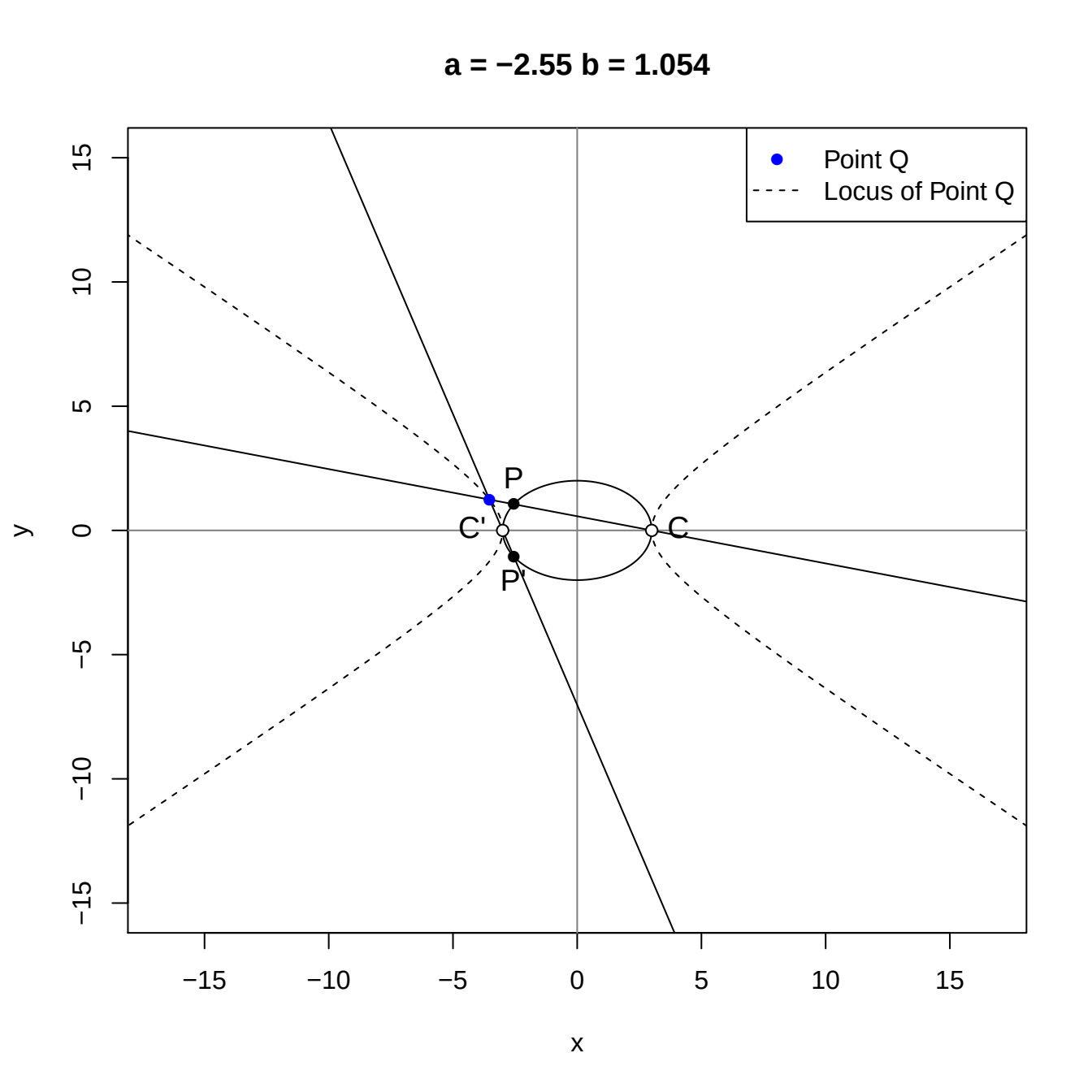

a = −2.8 b = 0.718
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

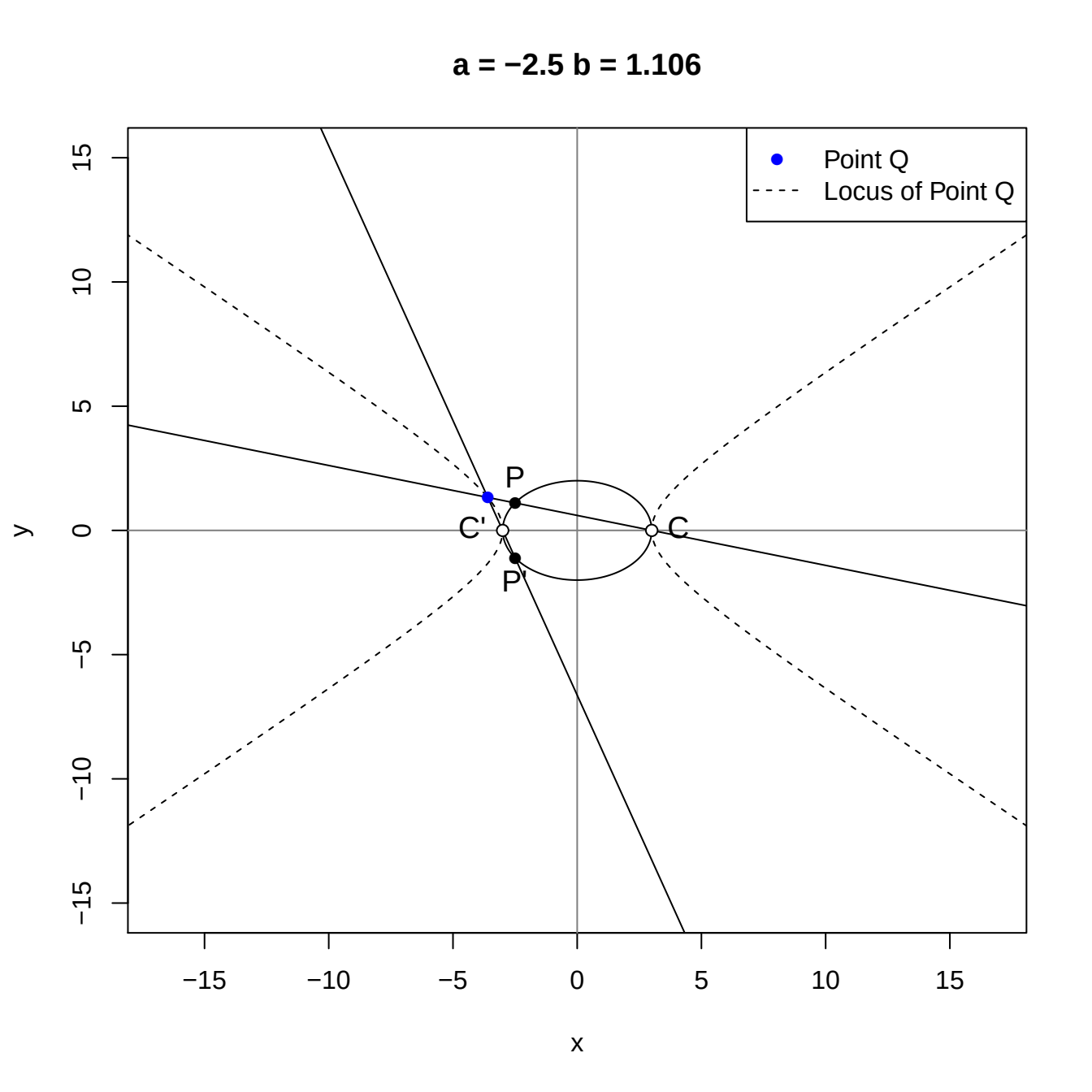

a = −2.75 b = 0.799
Point Q
Locus of Point Q
P
C'
C
P'
15
10
5
0
−5
−10
−15
y
−15
−10
−5
0
5
10
15
x

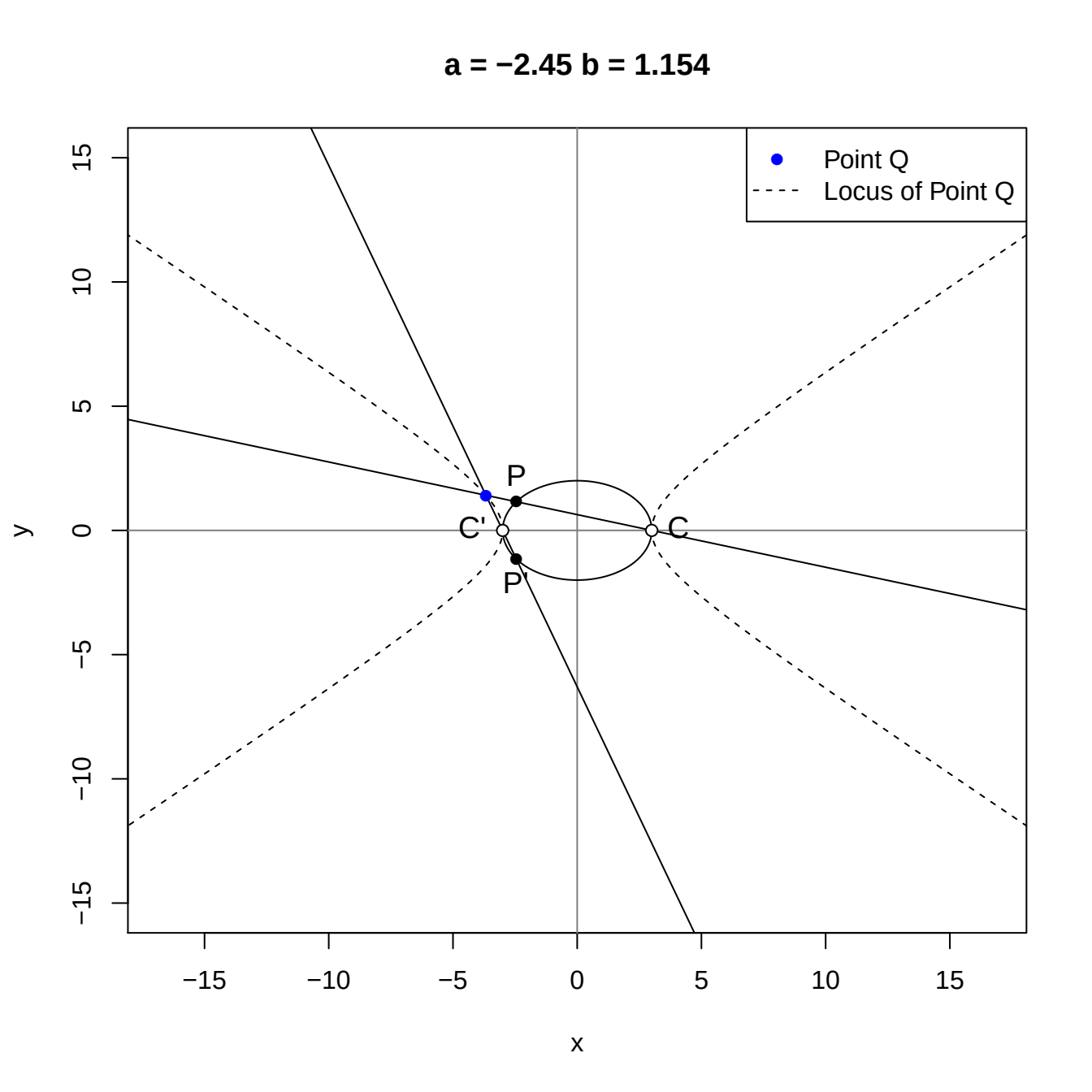

a = −2.7 b = 0.872
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

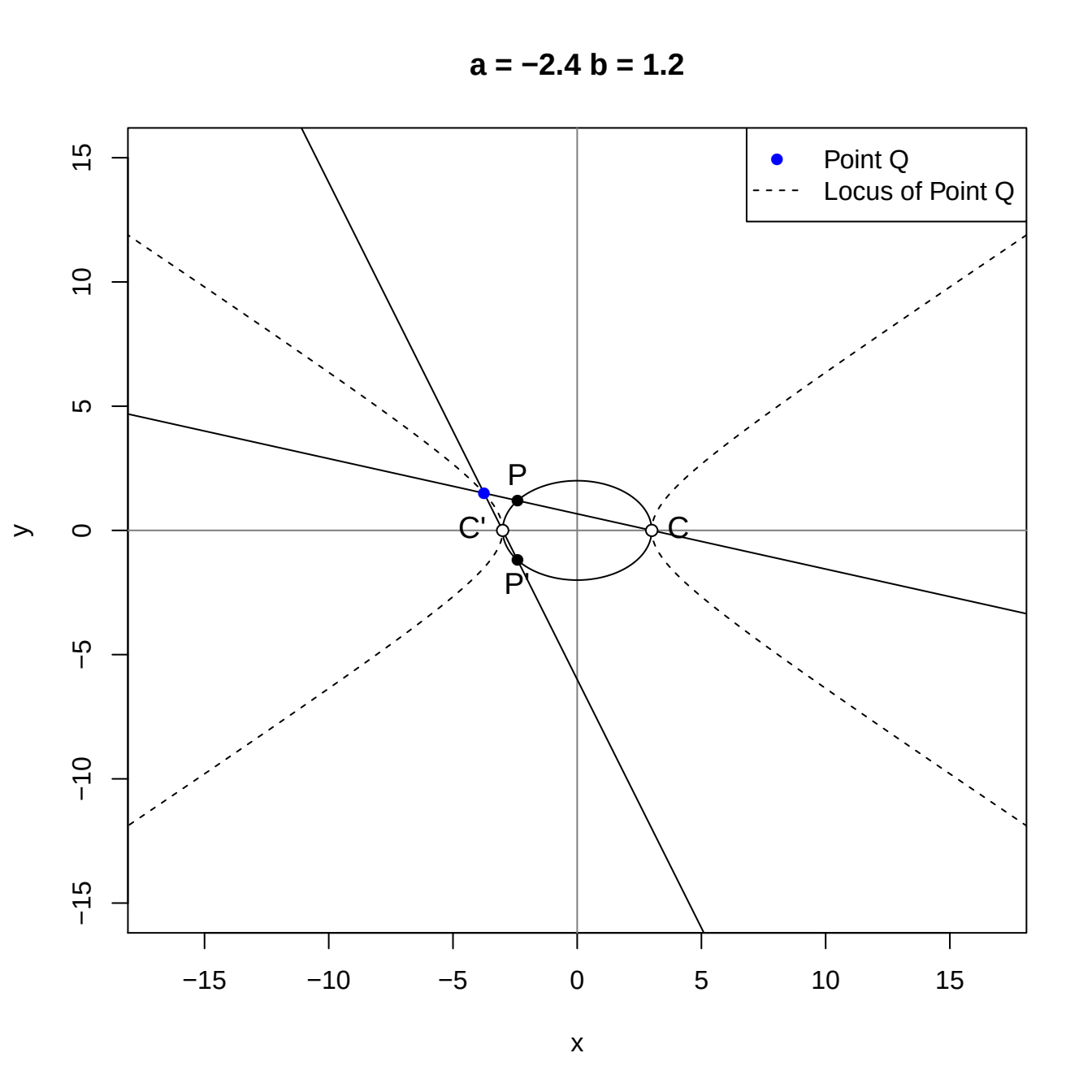

a = −2.65 b = 0.937
Point Q
Locus of Point Q
P
C'
C
P'
15
10
5
0
−5
−10
−15
y
−15
−10
−5
0
5
10
15
x

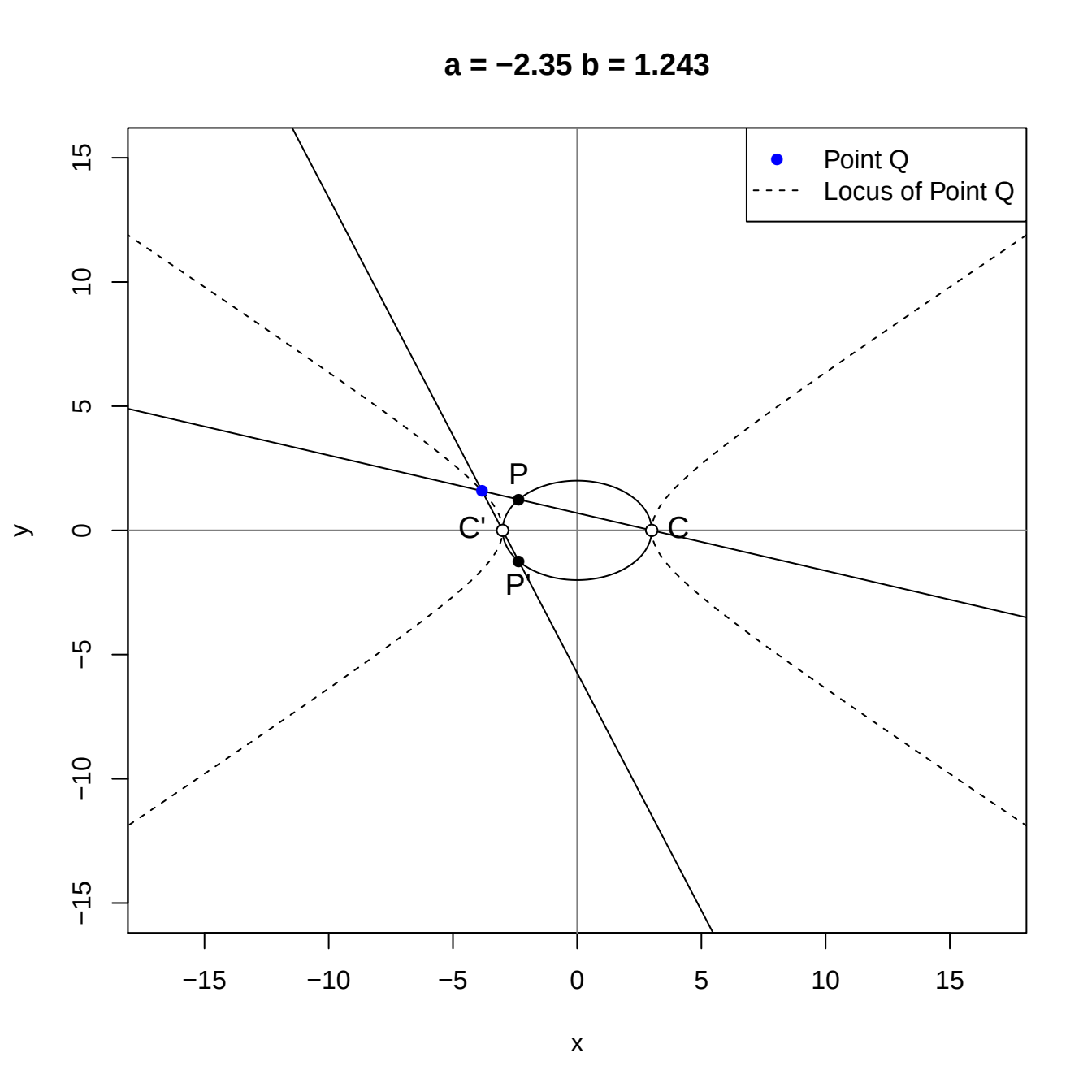

a = −2.6 b = 0.998
Point Q
Locus of Point Q
P
C'
C
P'
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

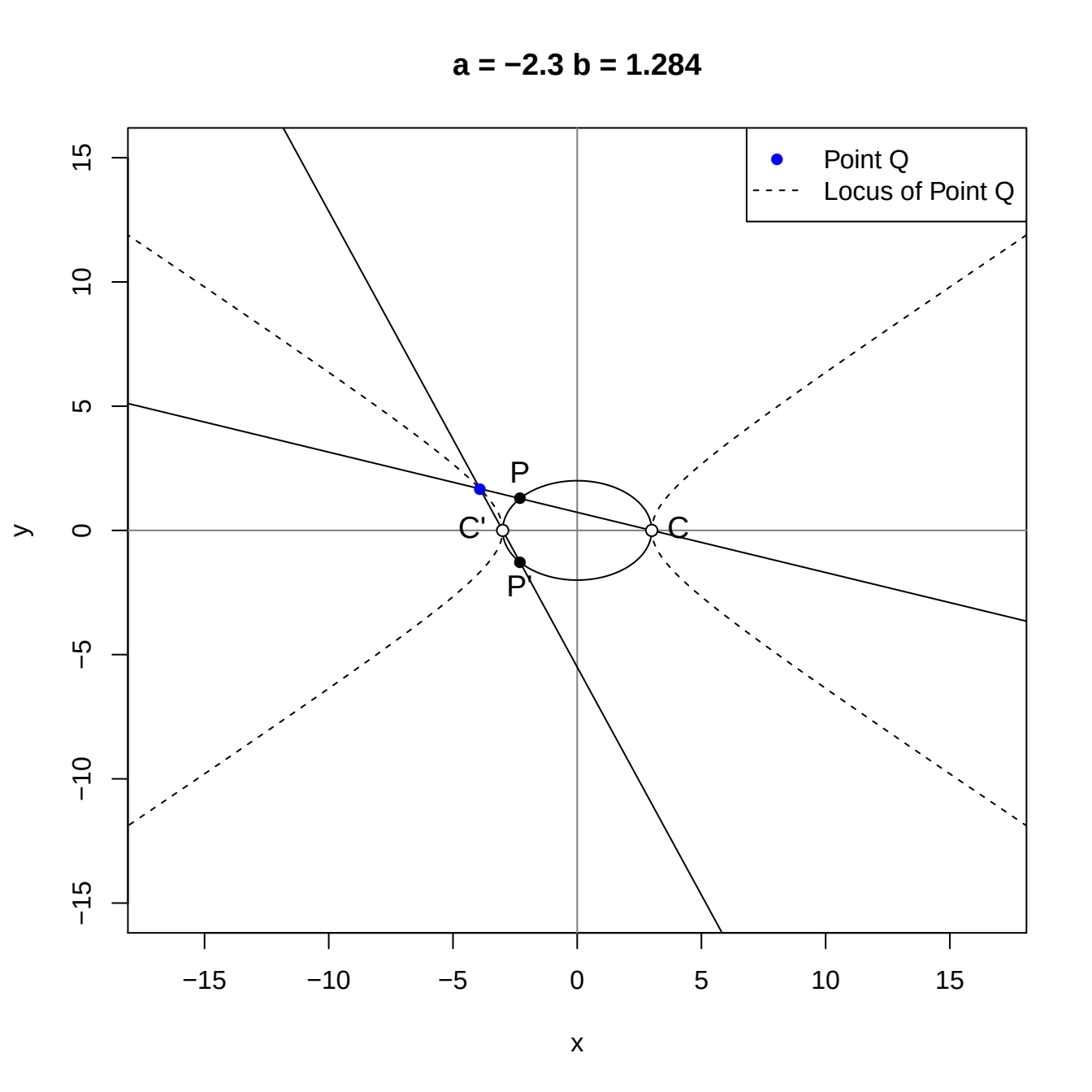

a = −2.55 b = 1.054
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

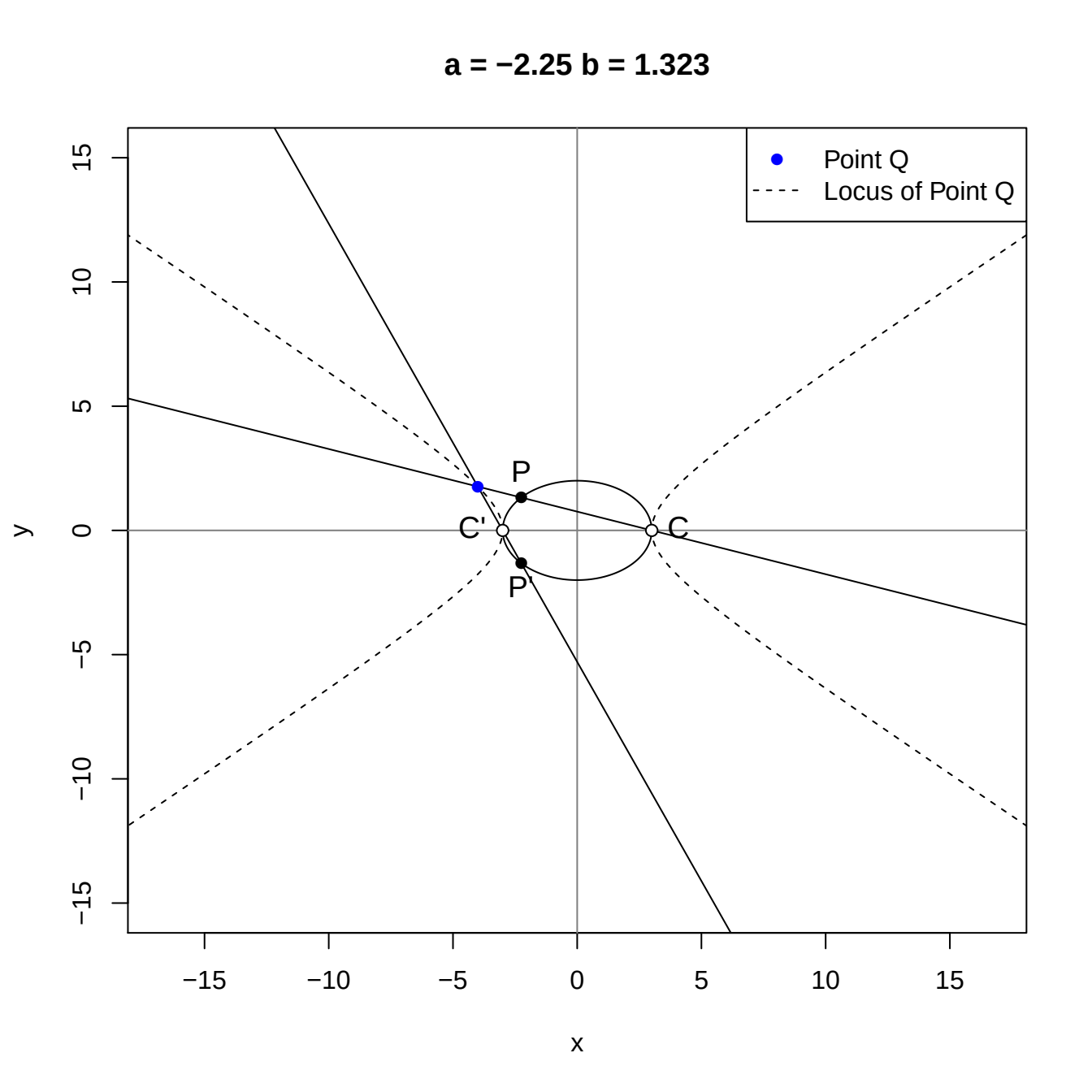

a = −2.5 b = 1.106
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

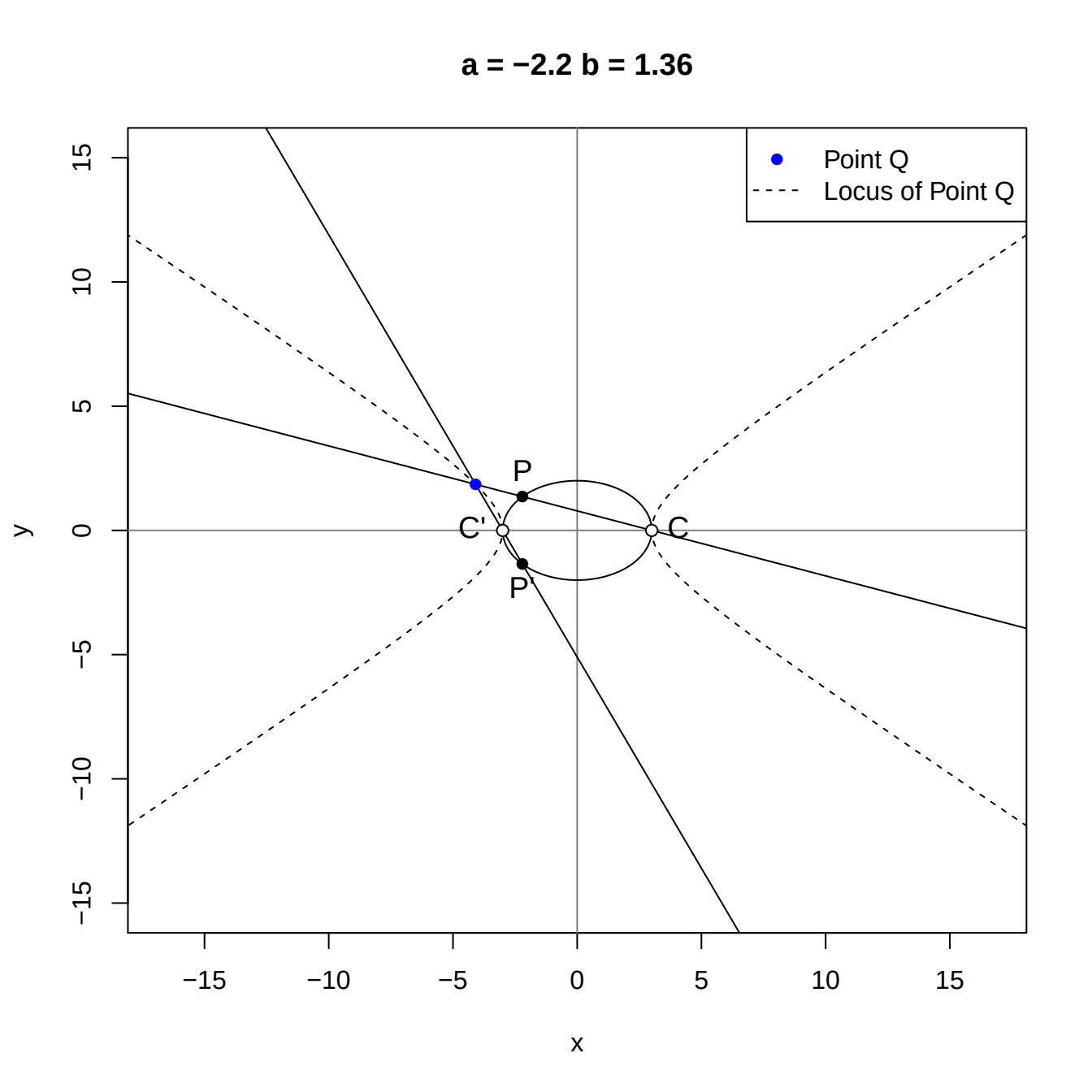

a = −2.45 b = 1.154
Point Q
Locus of Point Q
P
P'
C'
C
x
y
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

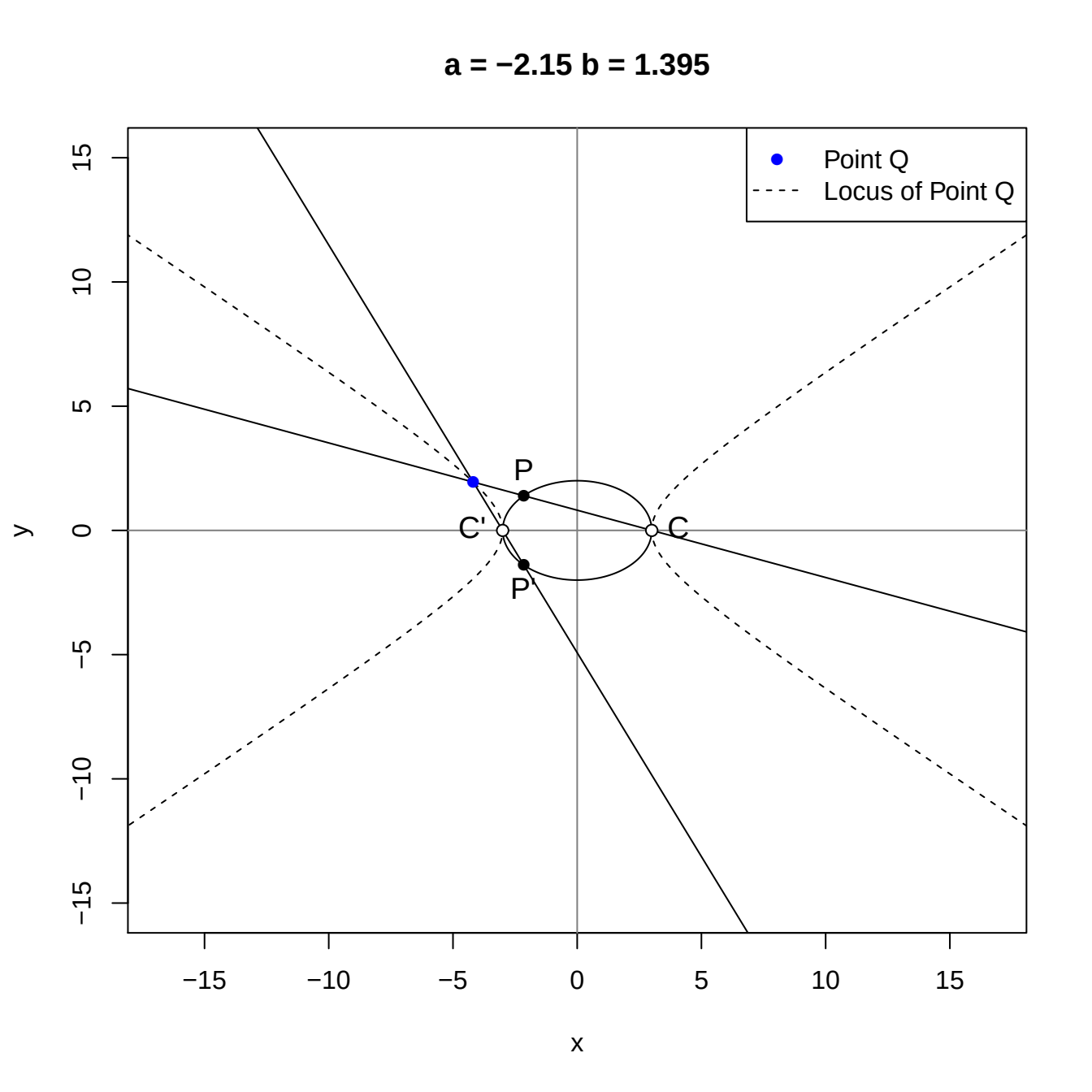

a = −2.4 b = 1.2
Point Q
Locus of Point Q
P
C'
C
P'
x
y
−15
−10
−5
0
5
10
15

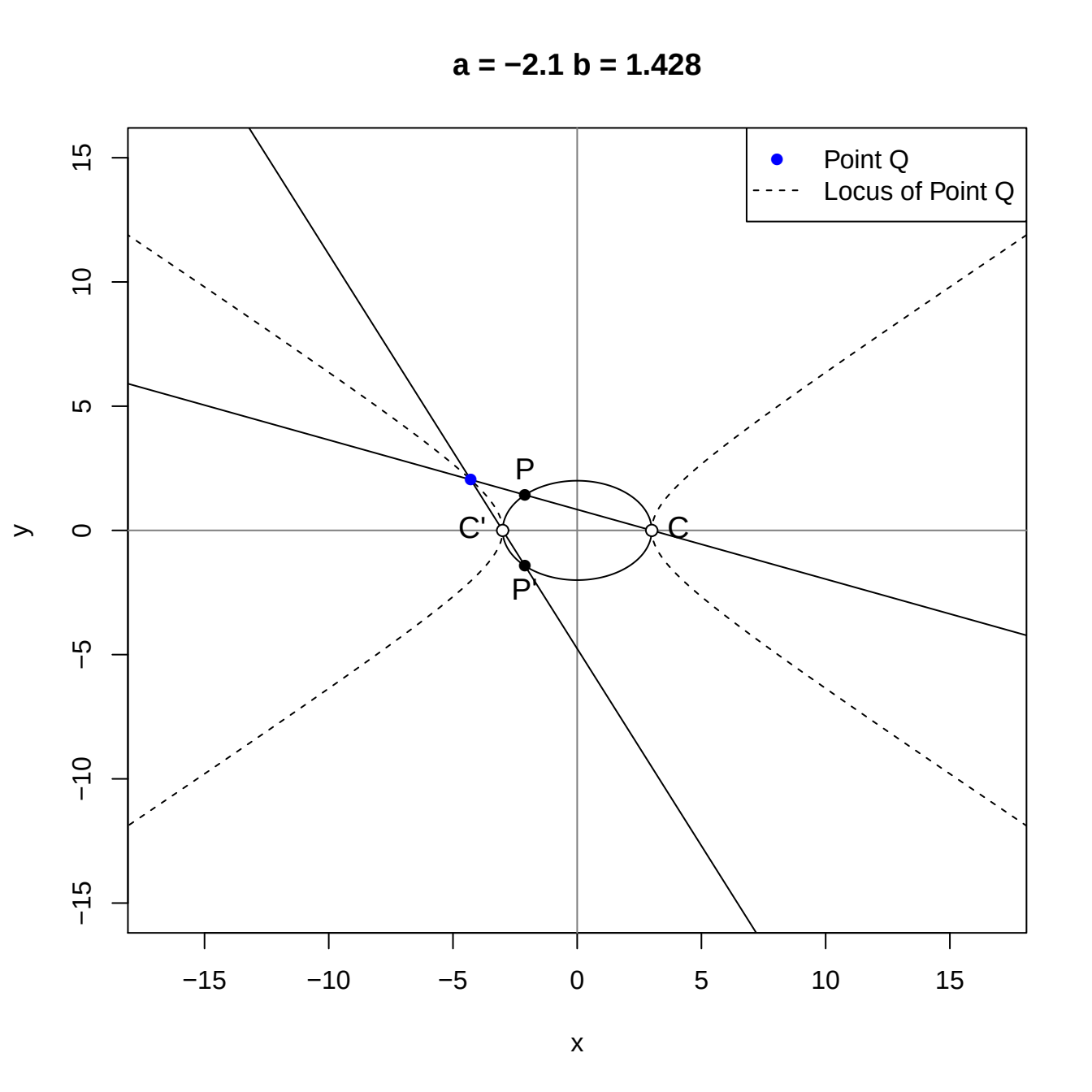

a = −2.35 b = 1.243
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

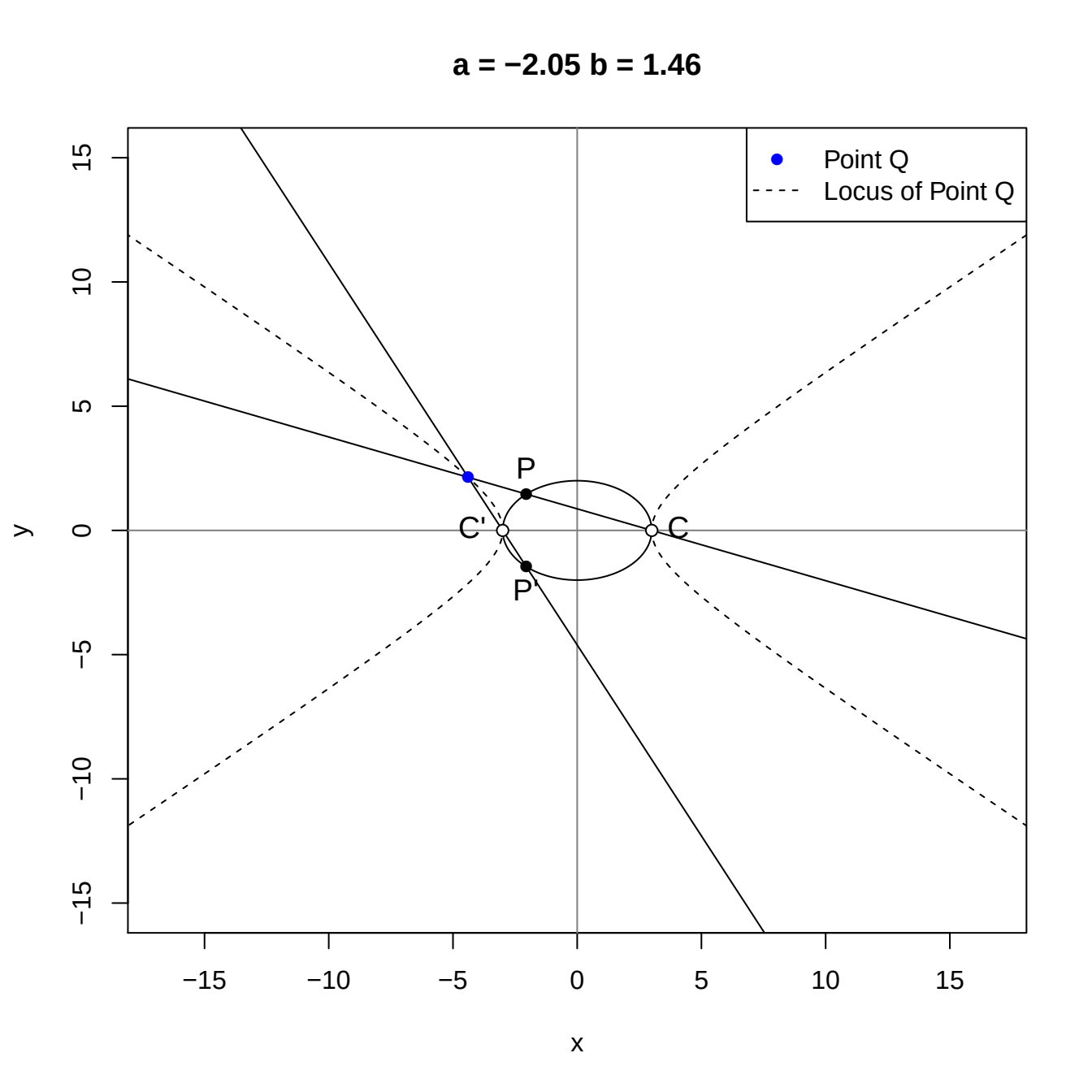

a = −2.3 b = 1.284
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

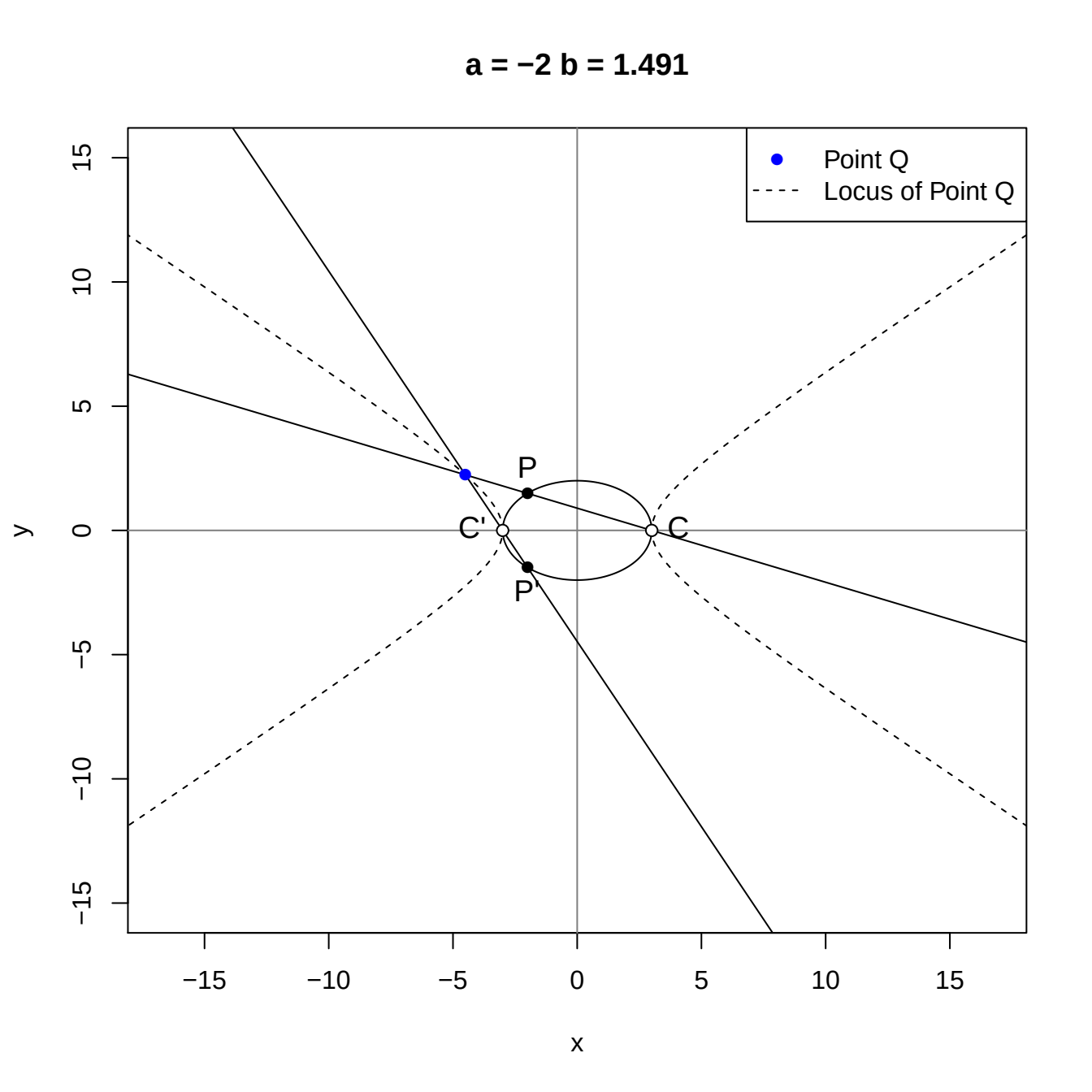

a = −2.25 b = 1.323
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

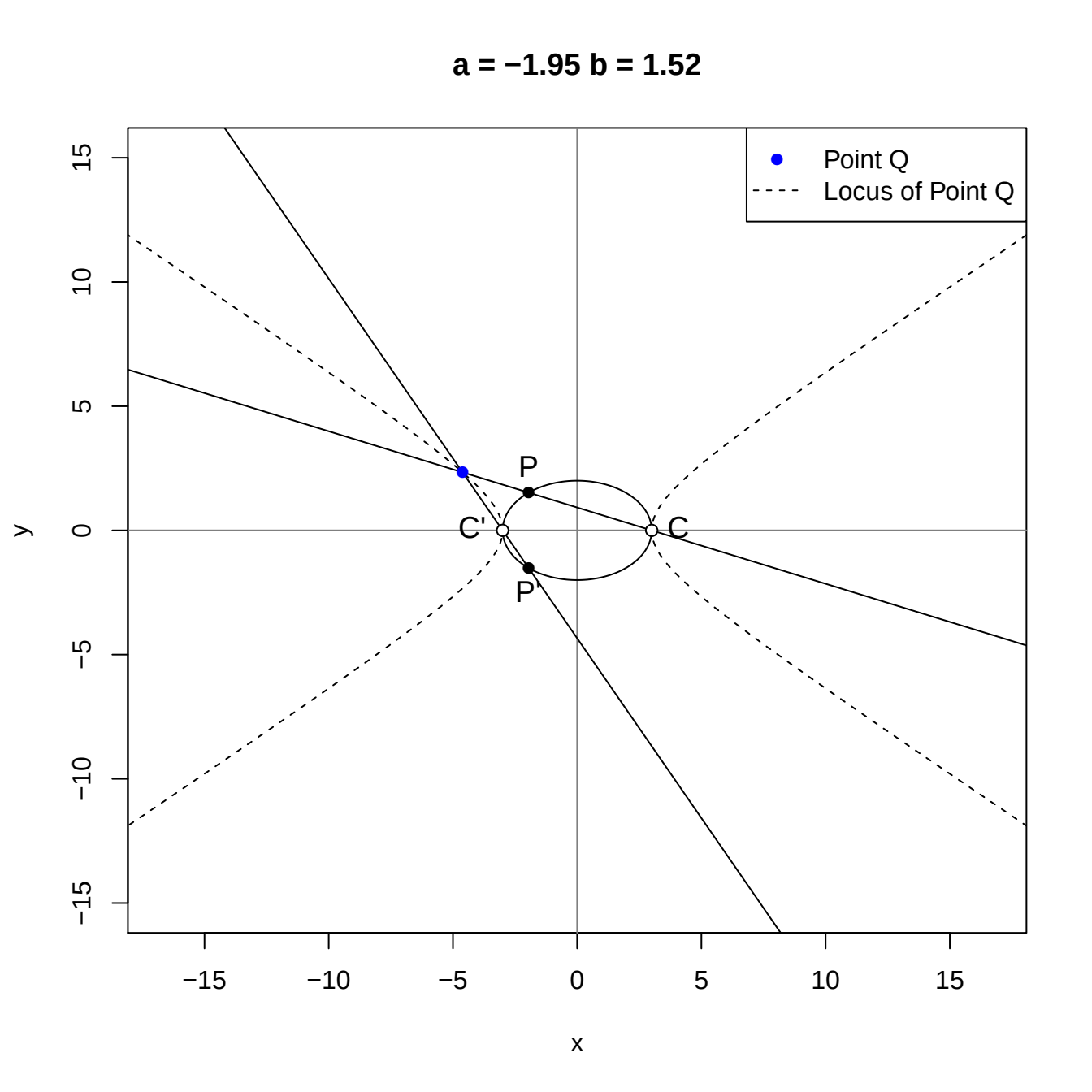

a = −2.2 b = 1.36
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

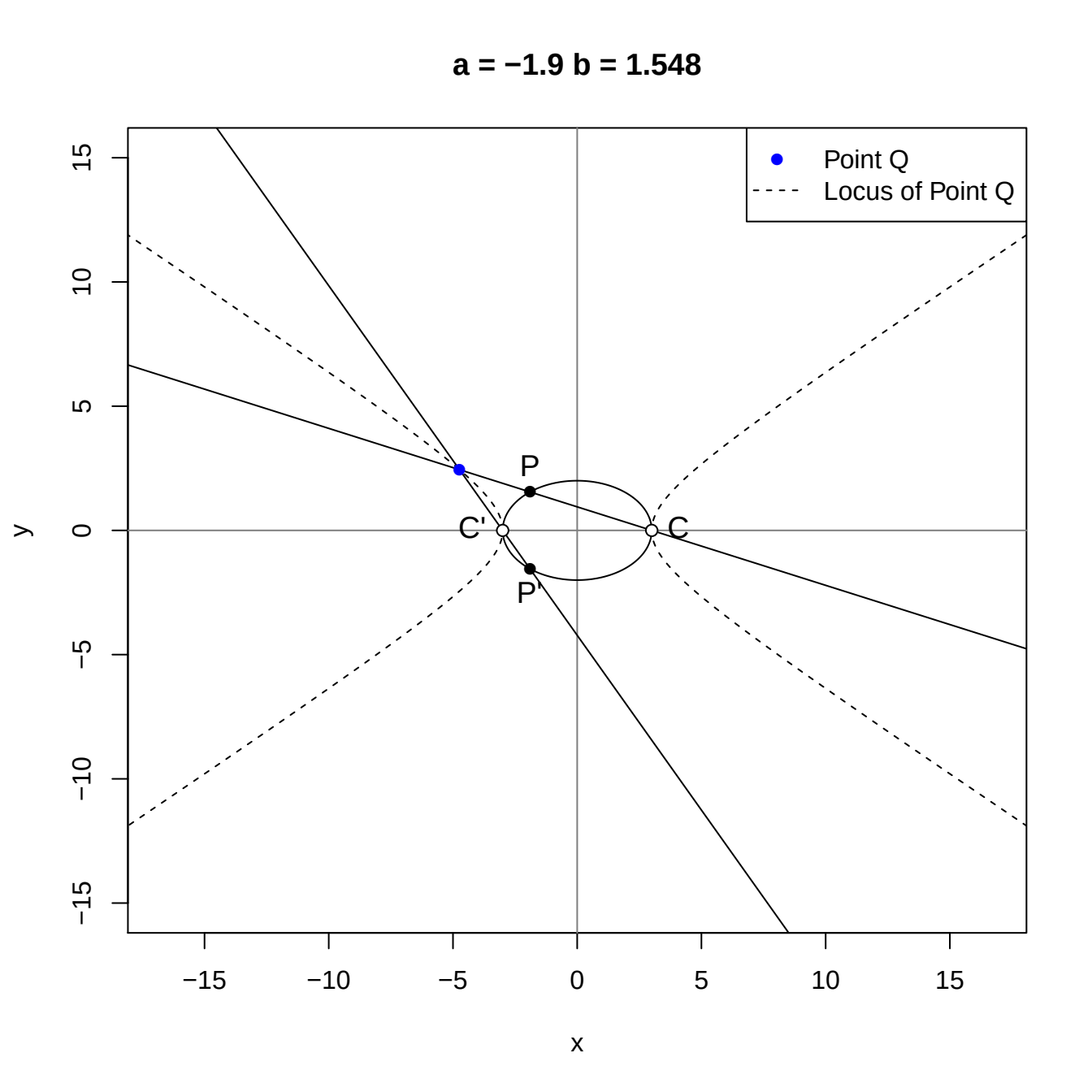

a = −2.15 b = 1.395
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

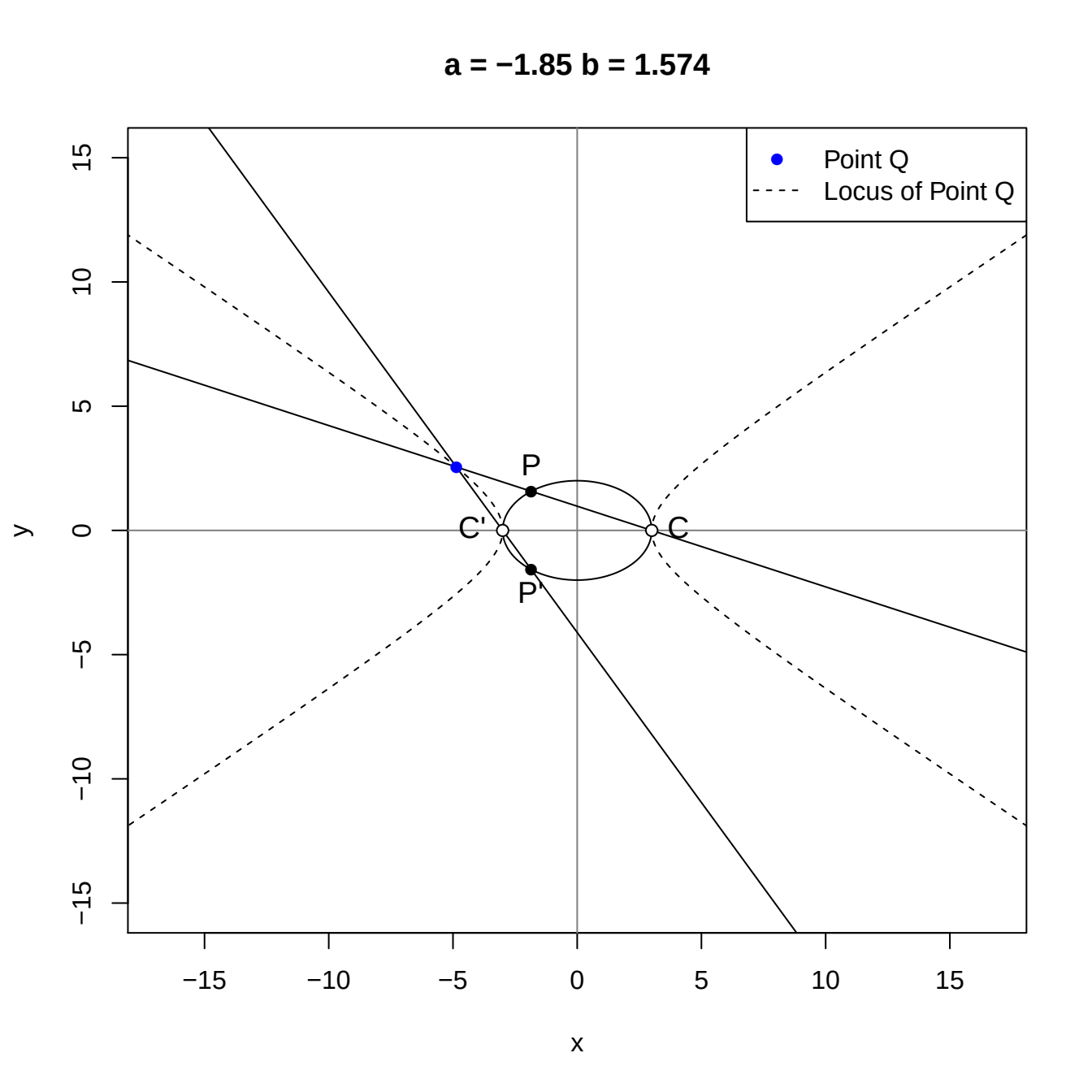

a = −2.1 b = 1.428
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

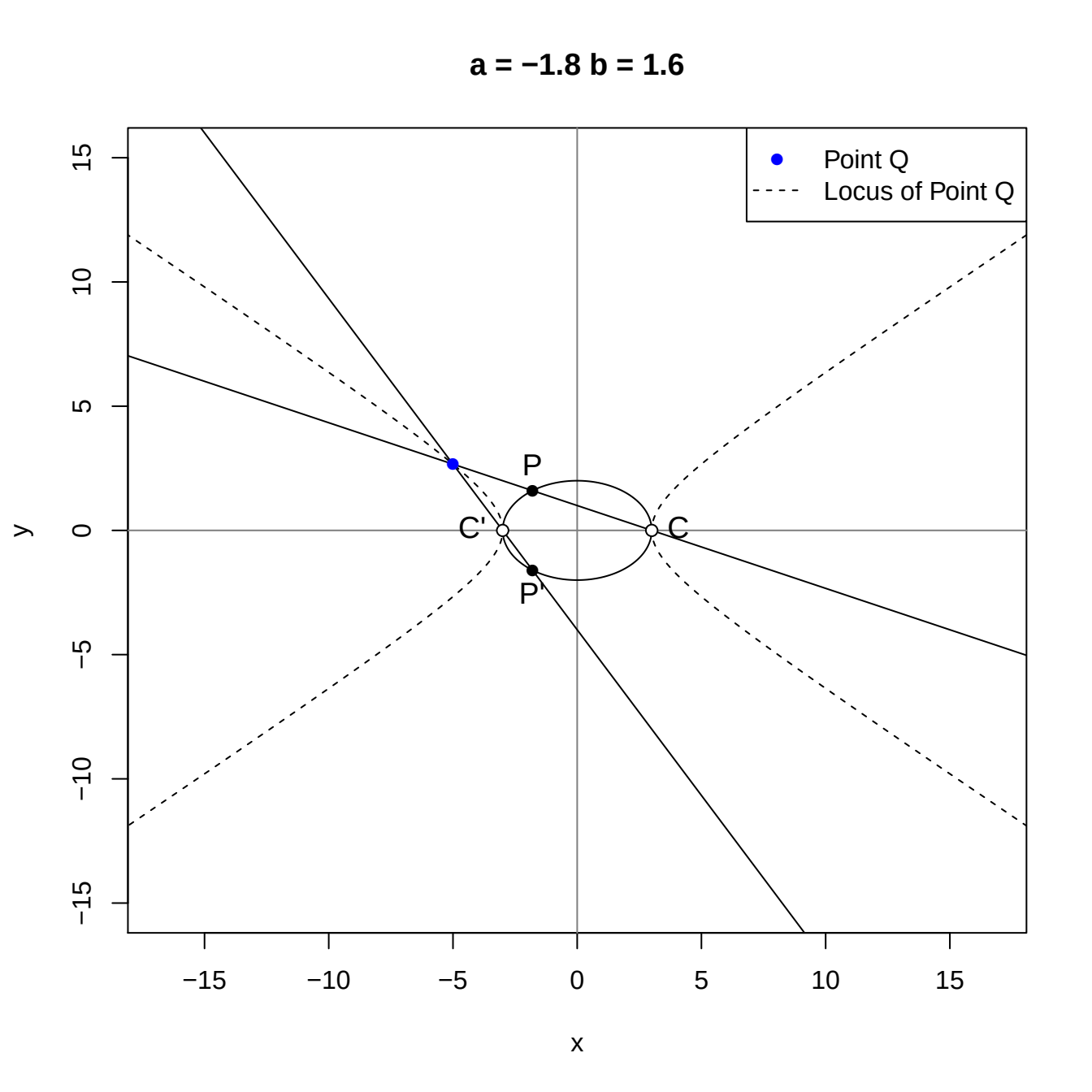

a = −2.05 b = 1.46
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

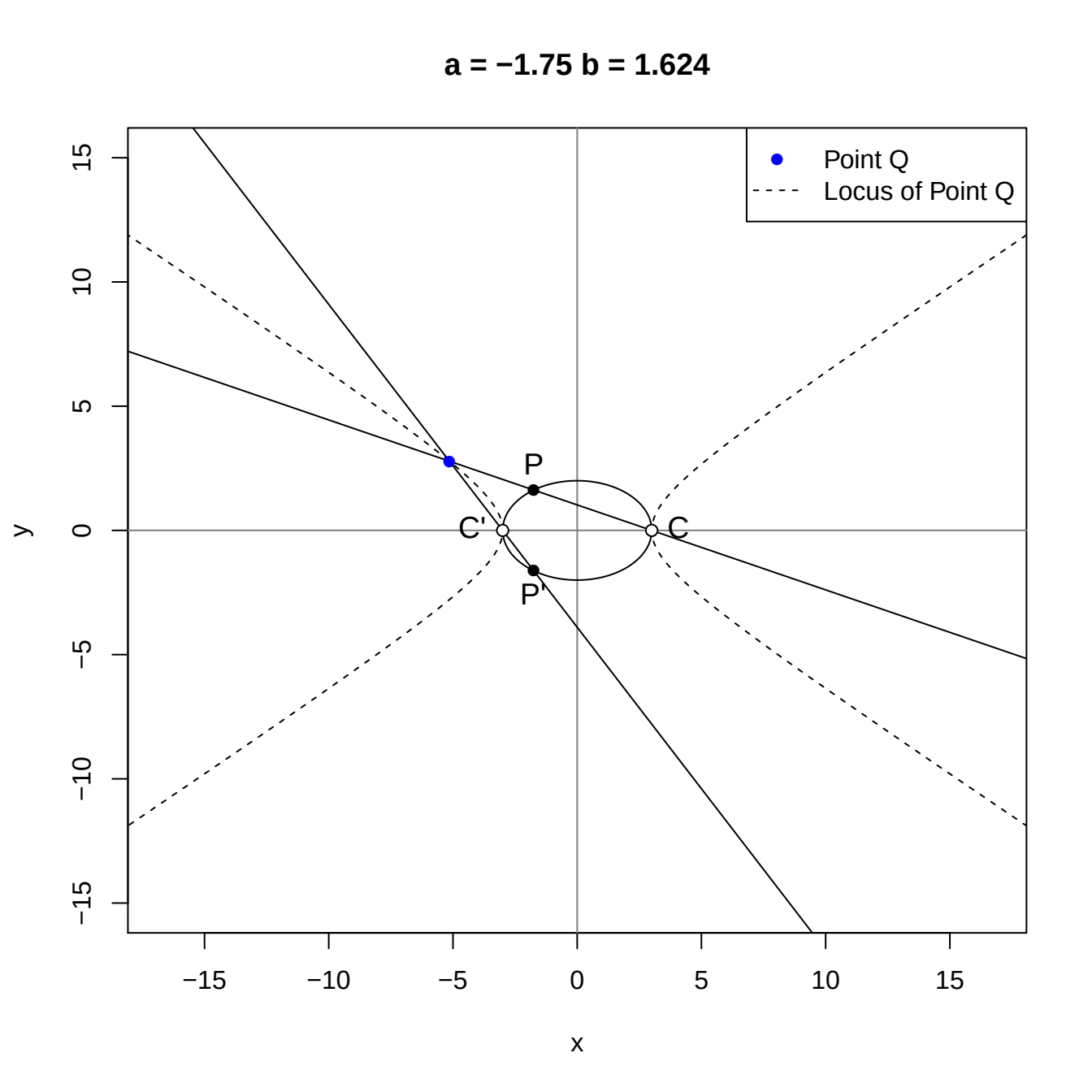

a = −2 b = 1.491
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

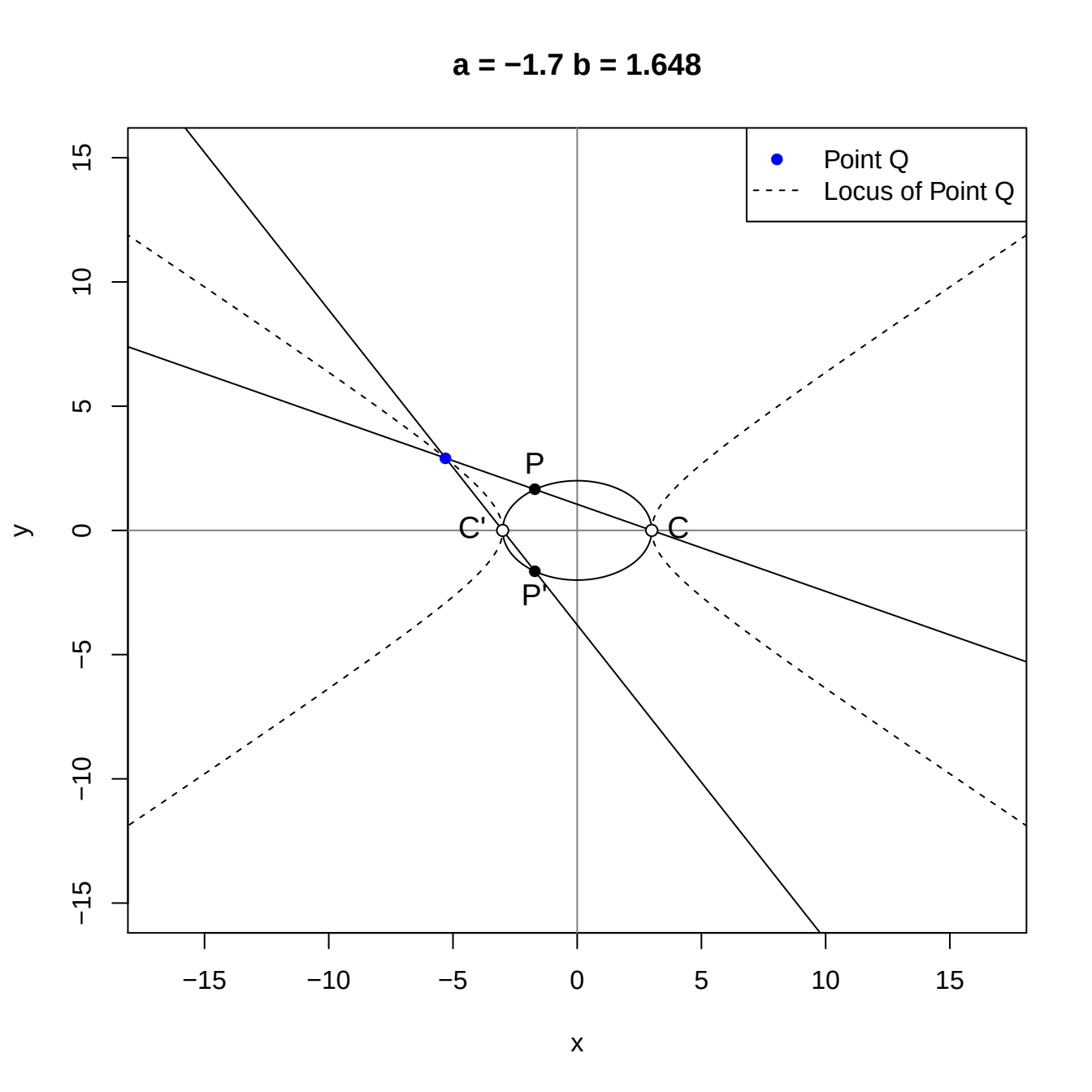

a = −1.95 b = 1.52
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

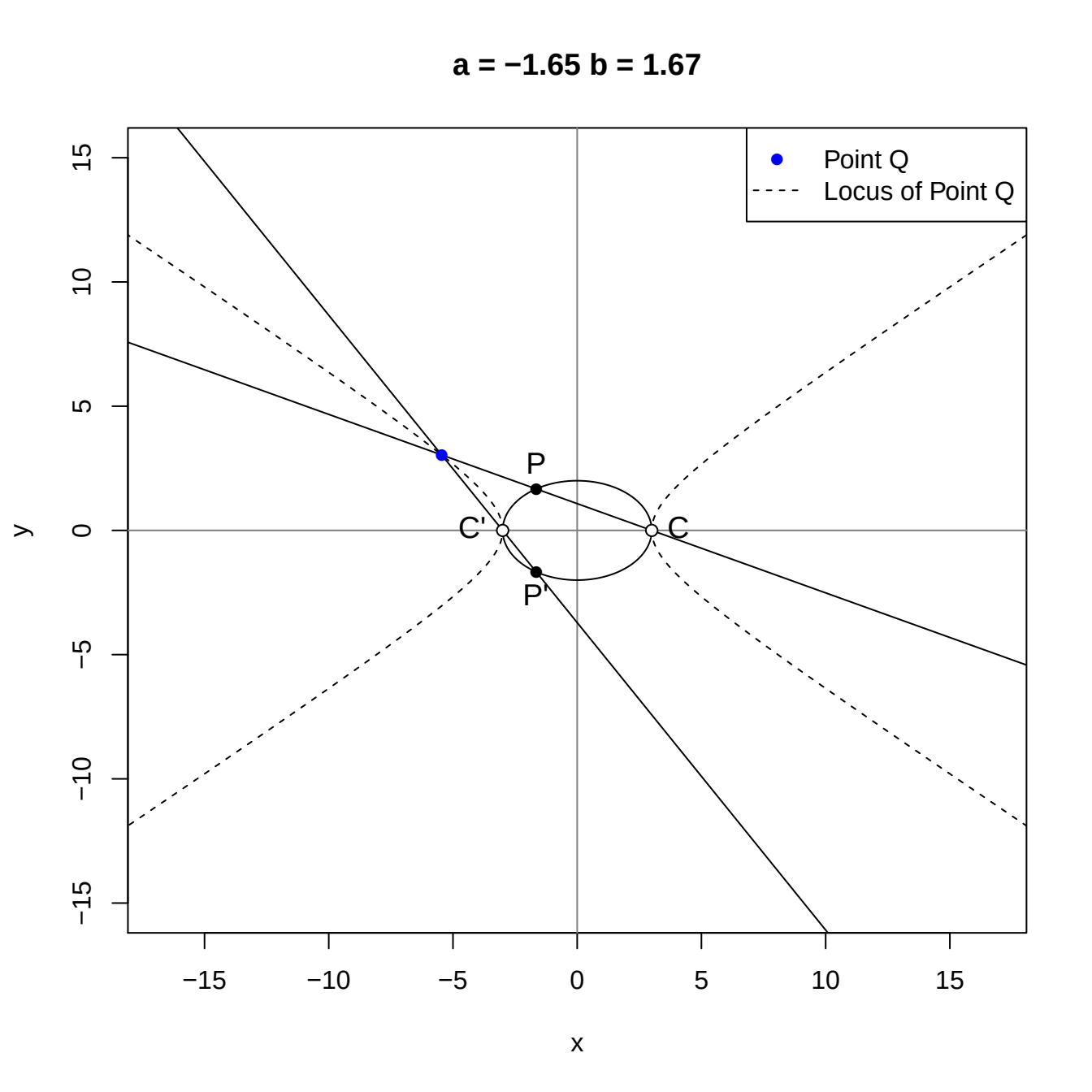

a = −1.9 b = 1.548
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

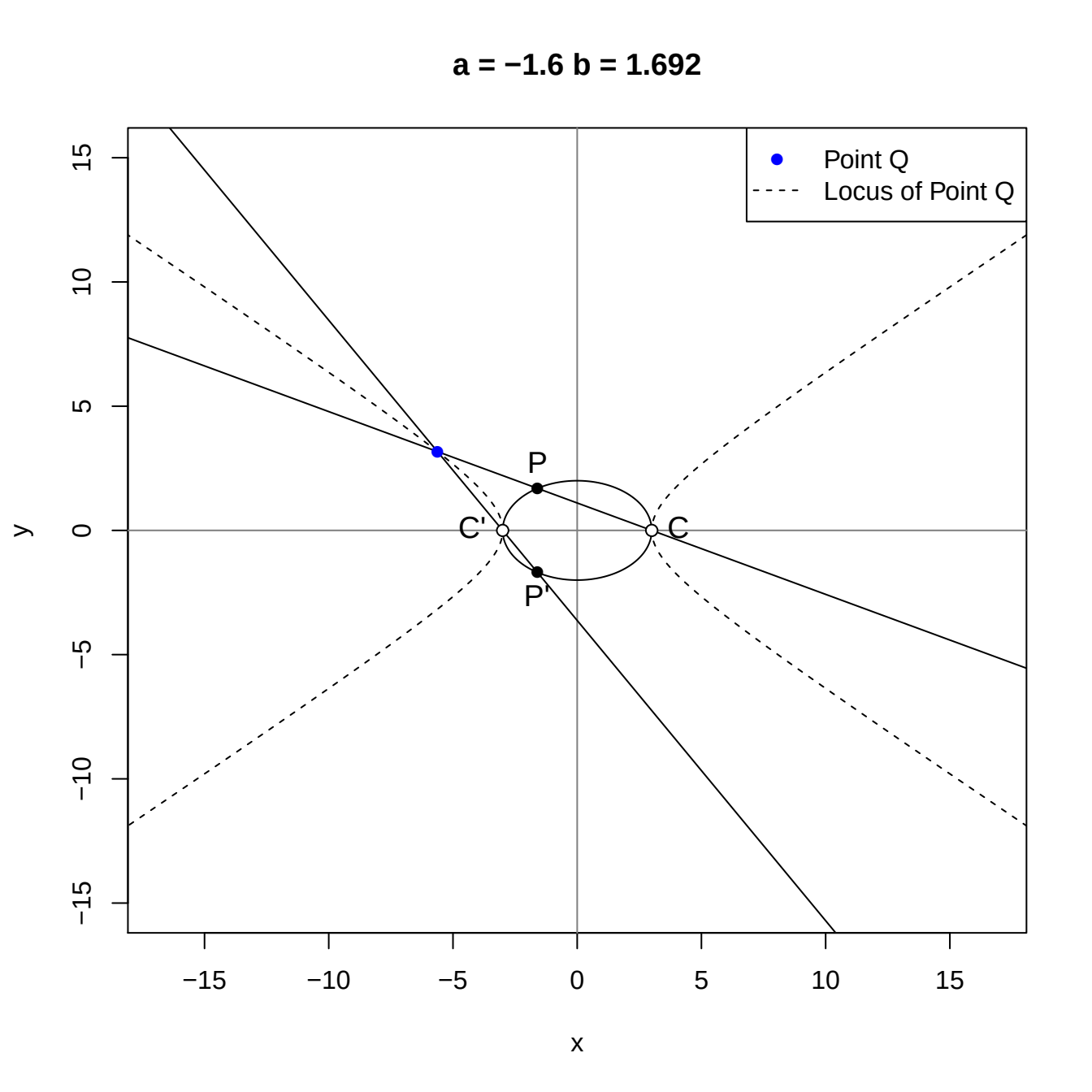

a = −1.85 b = 1.574
Point Q
Locus of Point Q
P
P'
C'
C
x
y
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

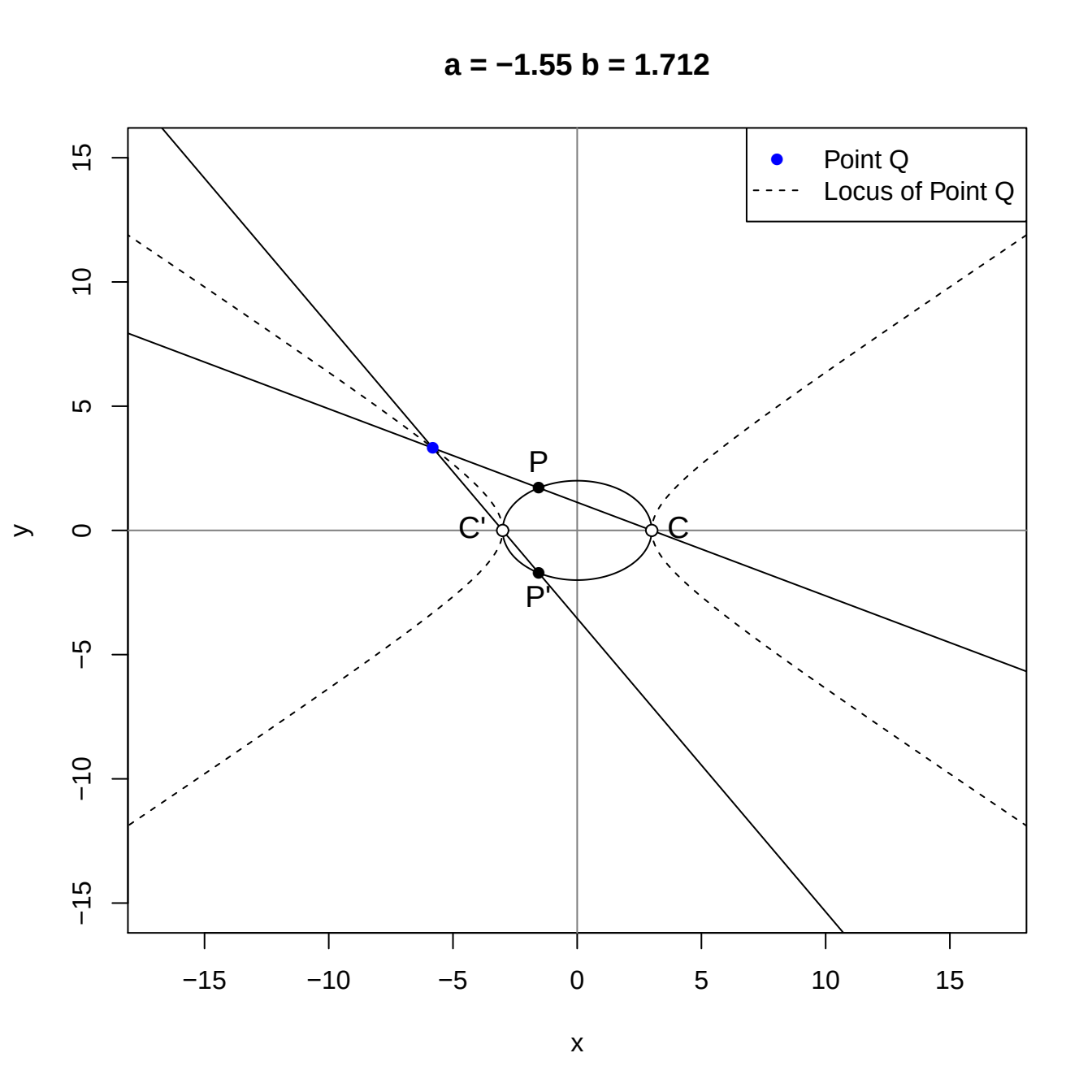

a = −1.8 b = 1.6
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

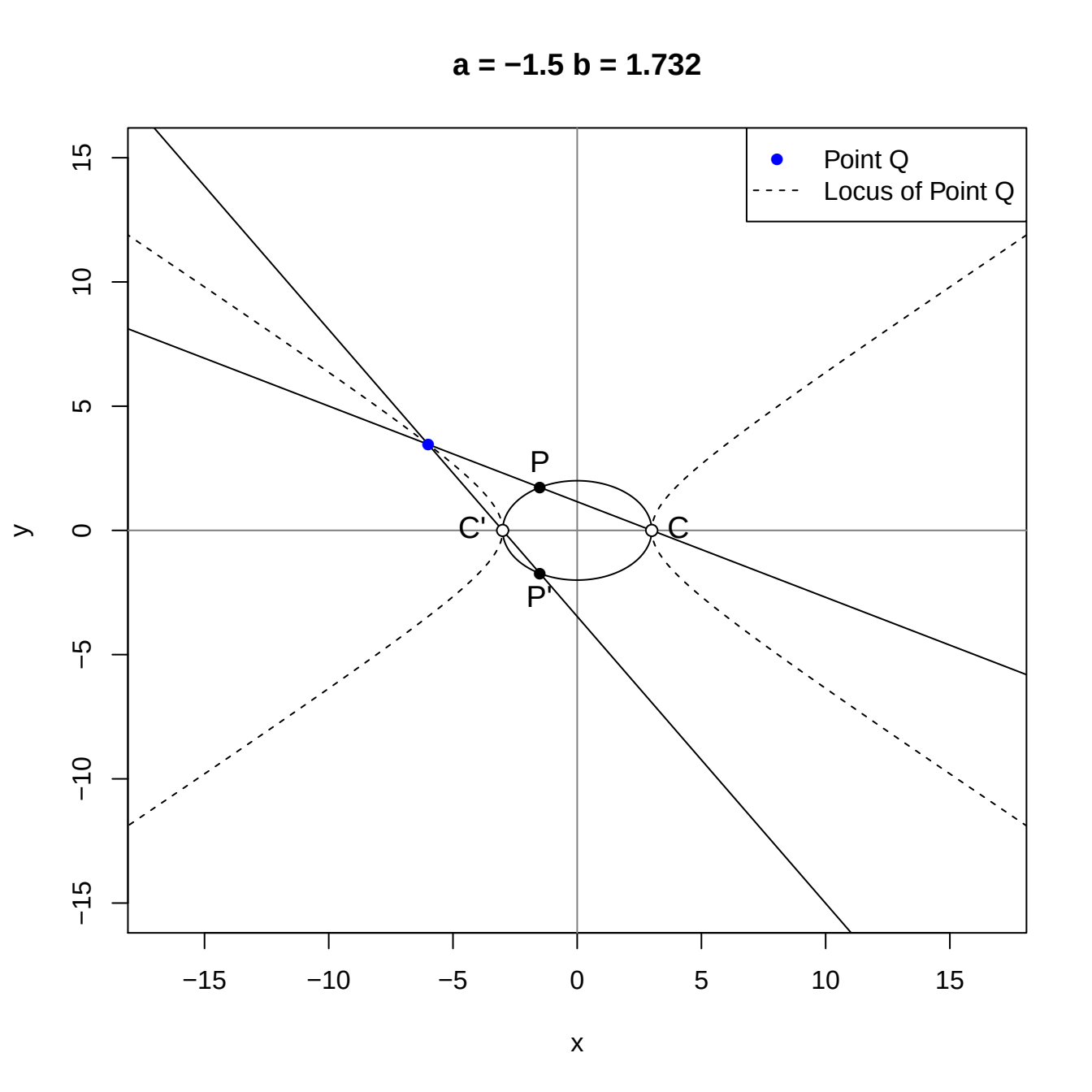

a = −1.75 b = 1.624
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

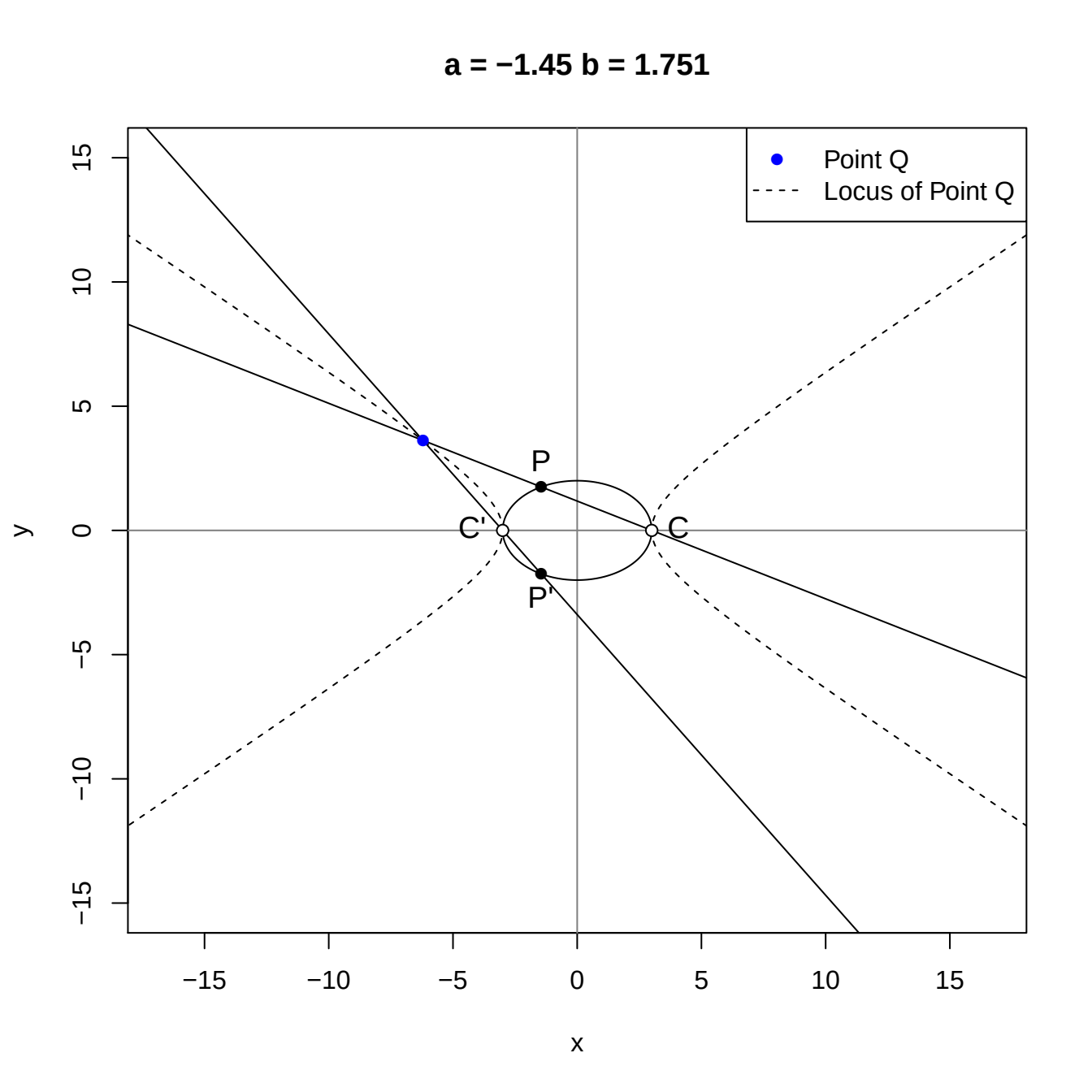

a = −1.7 b = 1.648
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

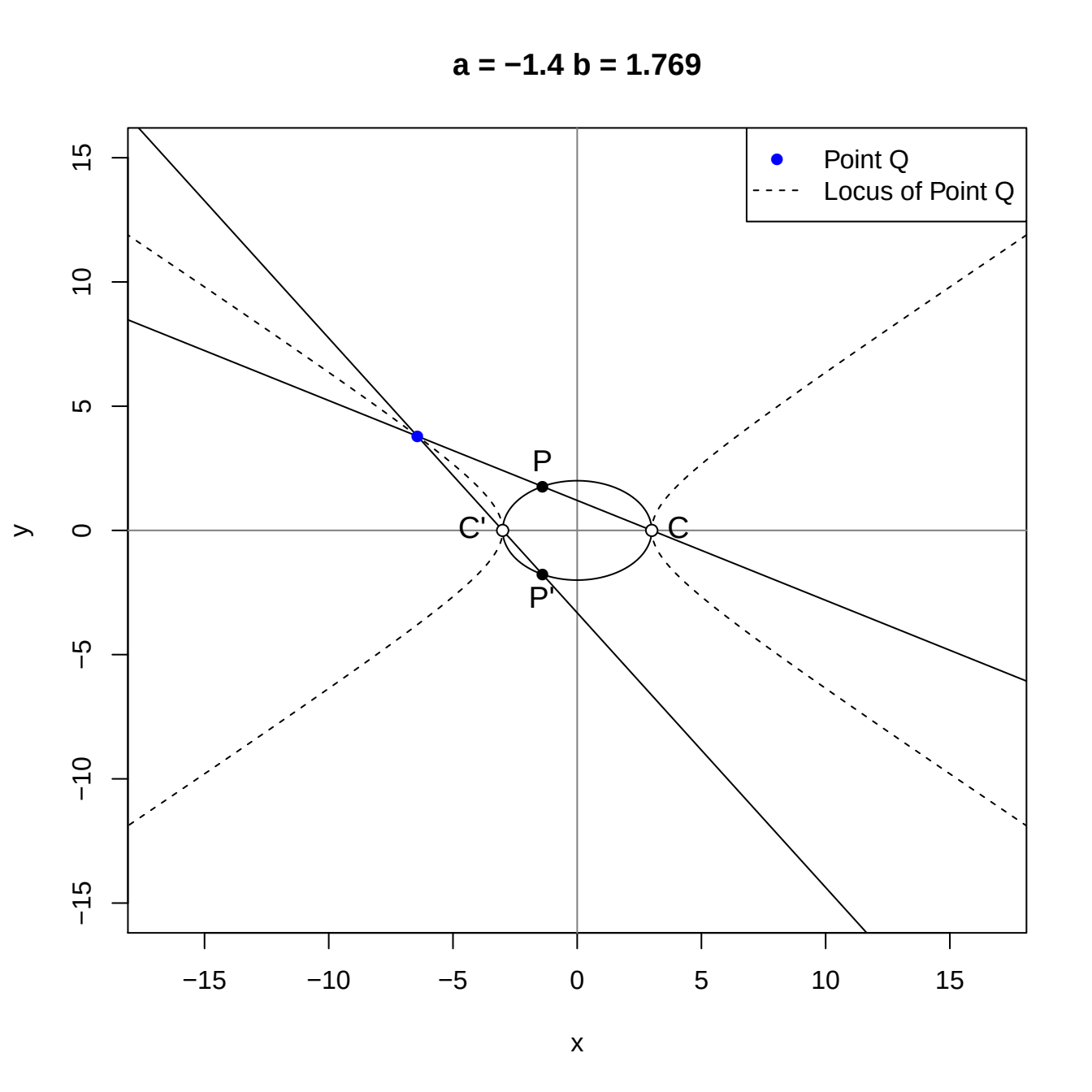

a = −1.65 b = 1.67
Point Q
Locus of Point Q
P
P'
C'
C
x
y
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

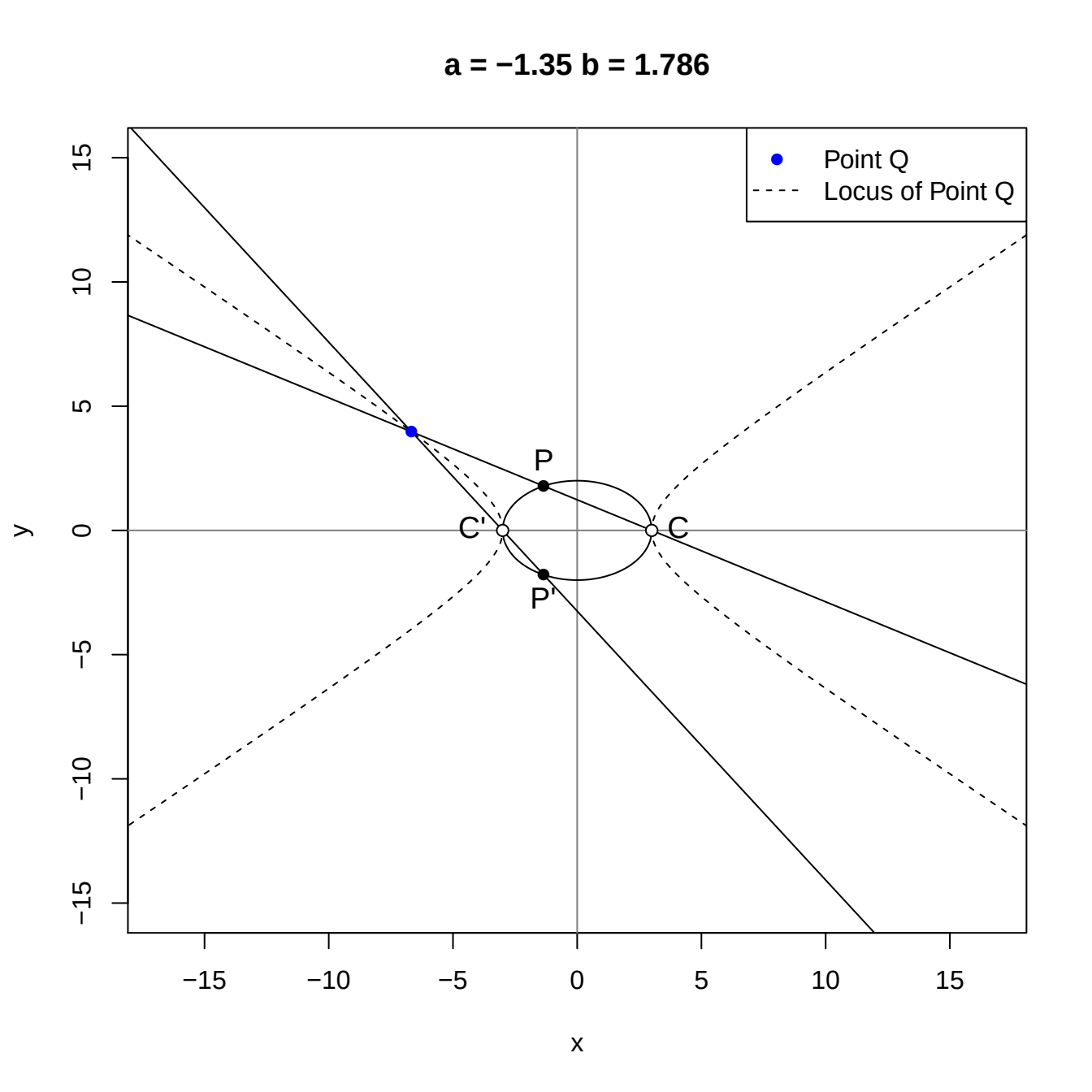

a = −1.6 b = 1.692
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

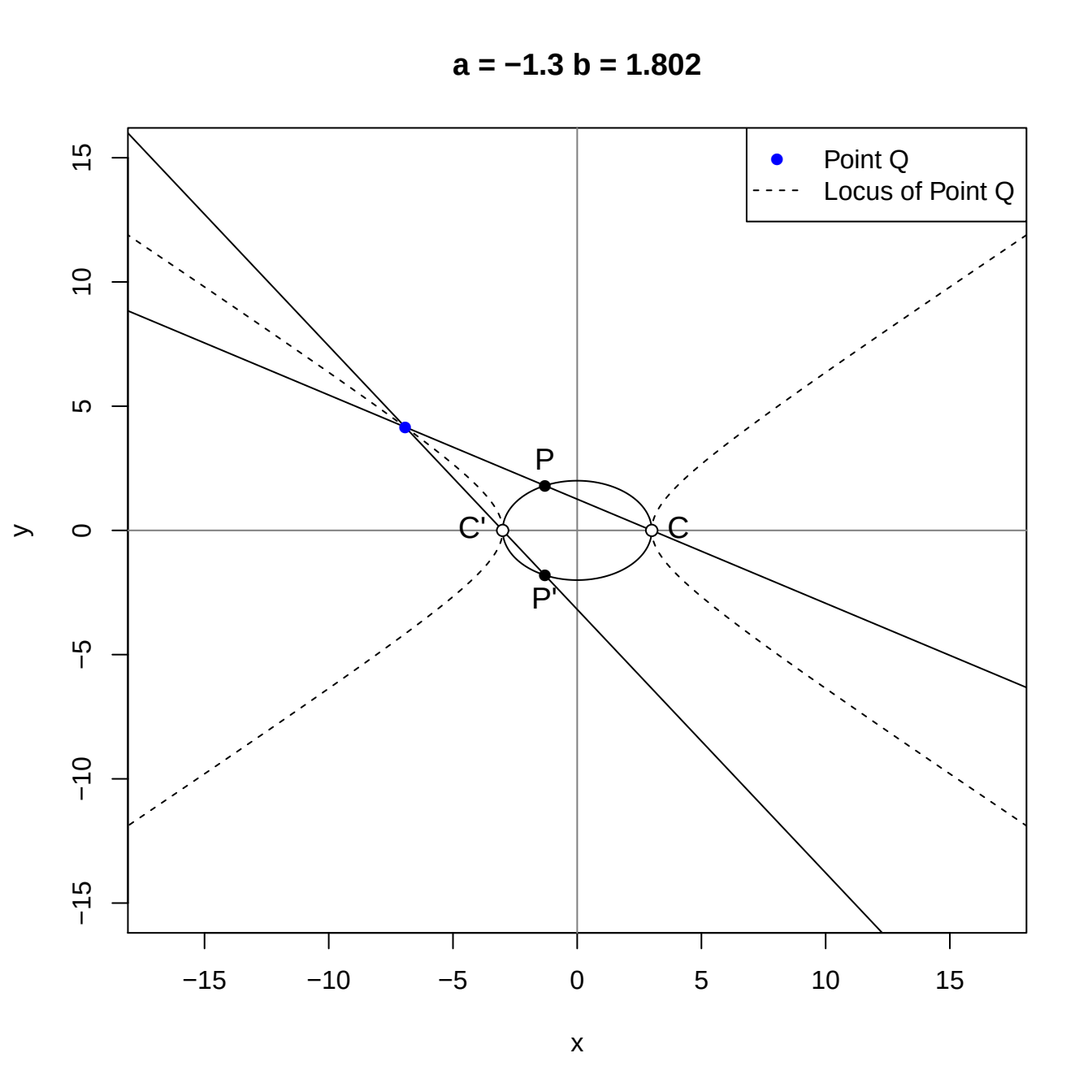

a = −1.55 b = 1.712
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

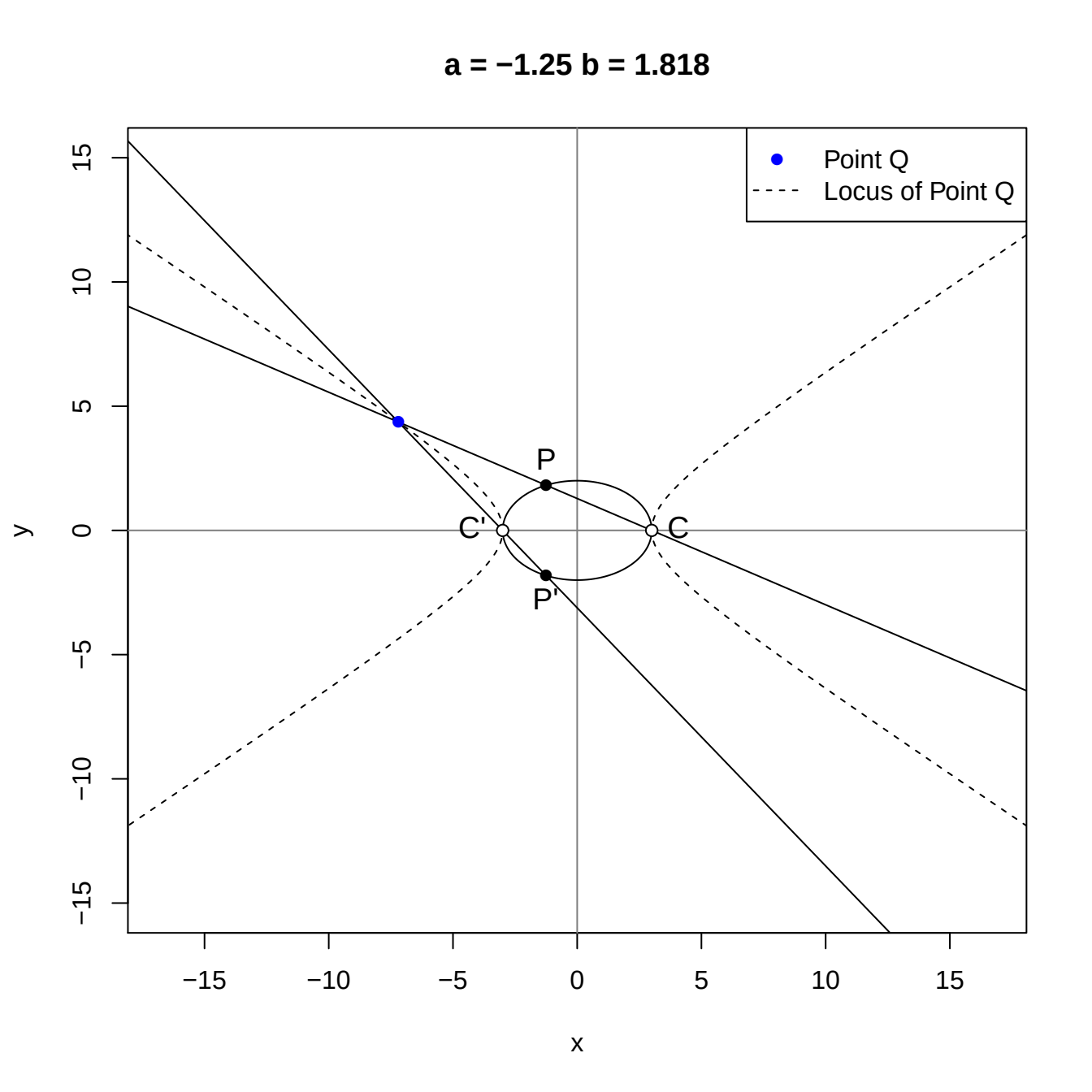

a = −1.5 b = 1.732
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

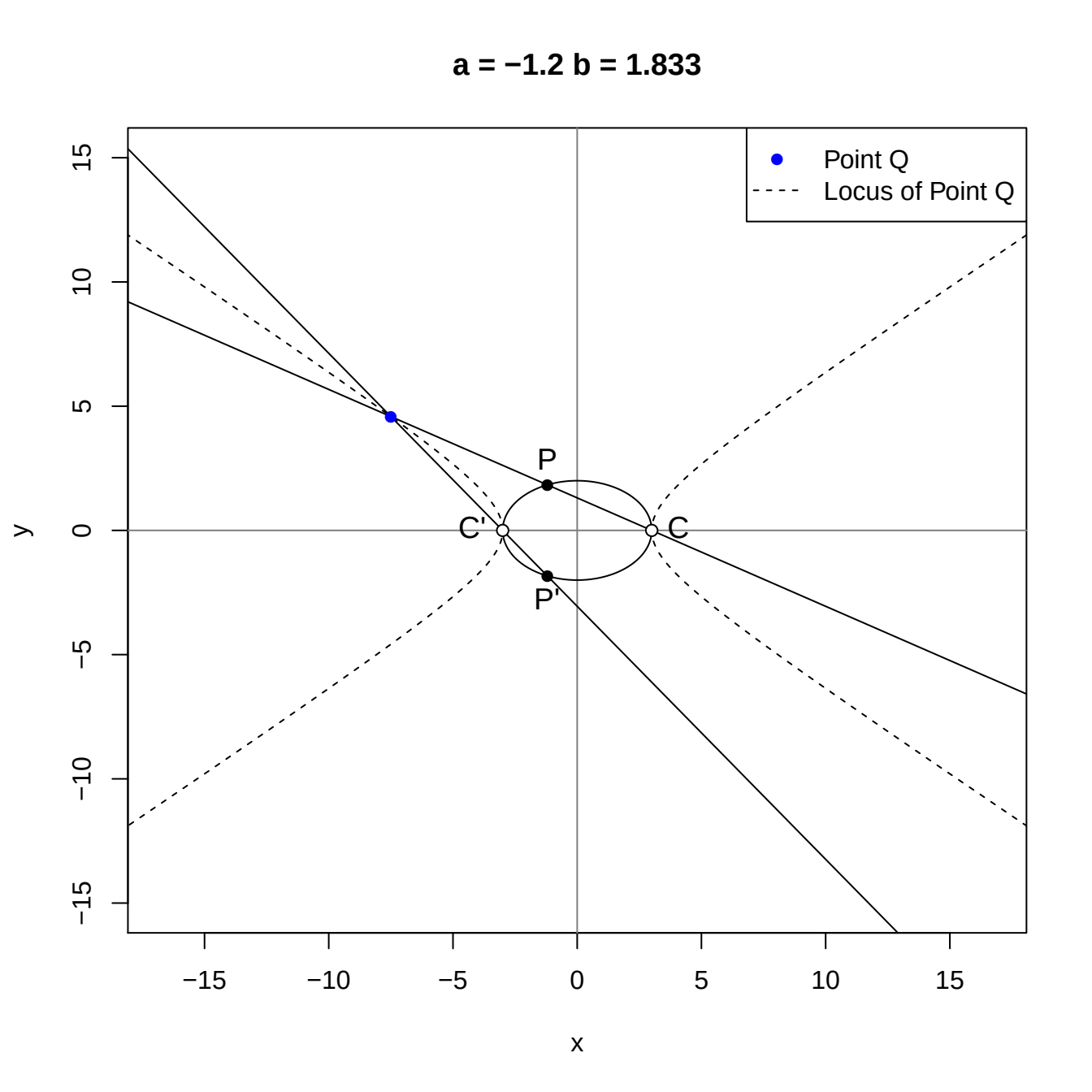

a = −1.45 b = 1.751
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

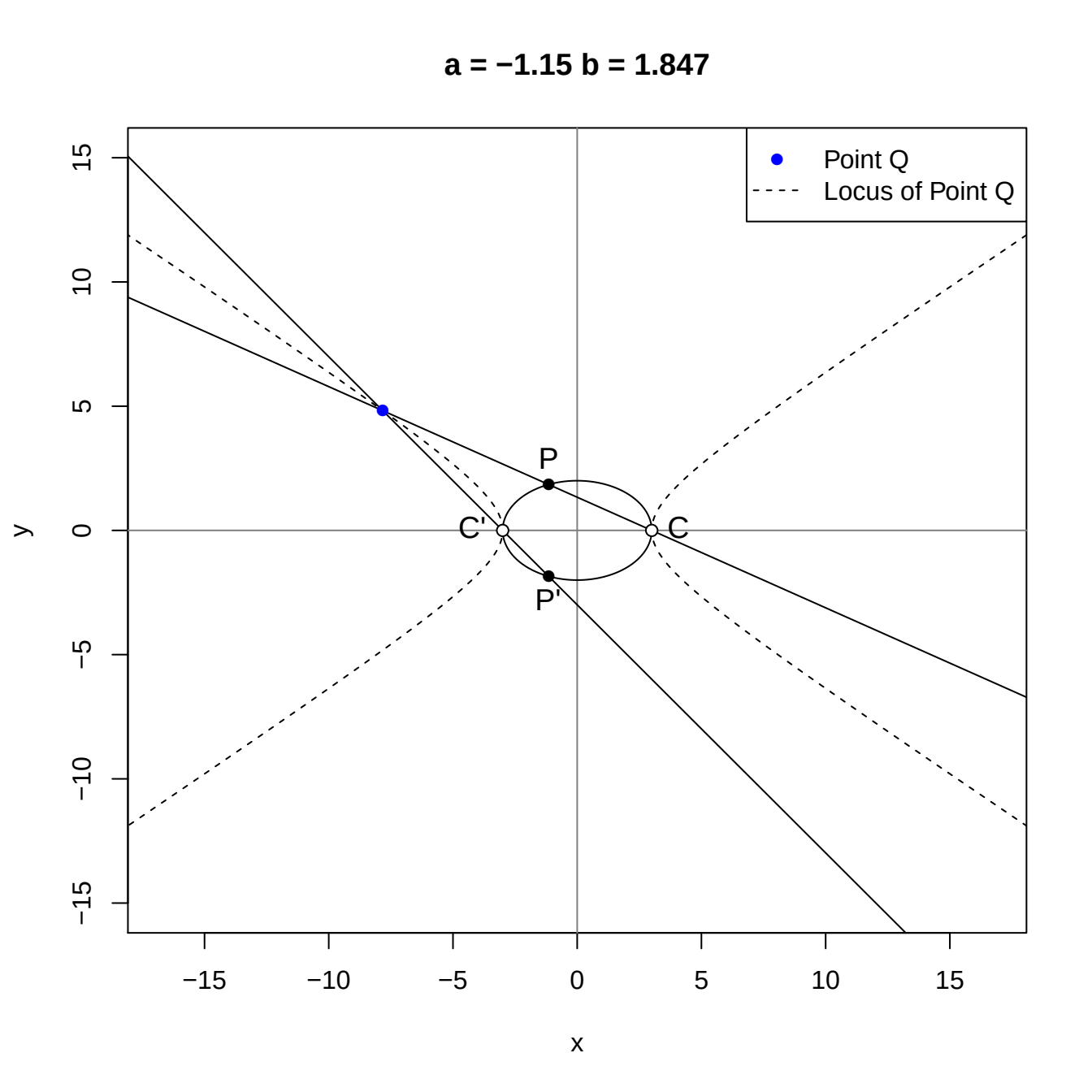

a = −1.4 b = 1.769
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

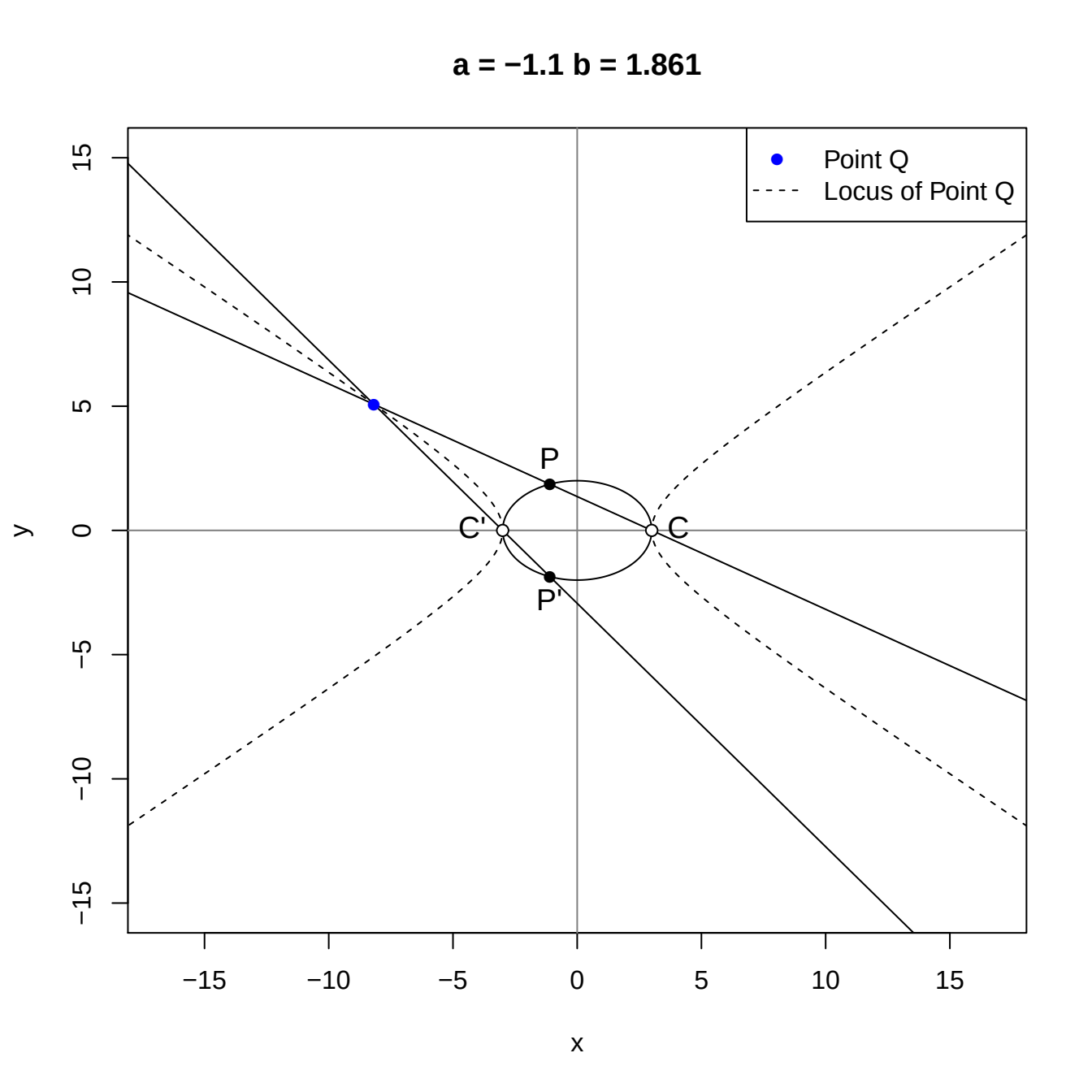

a = −1.35 b = 1.786
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

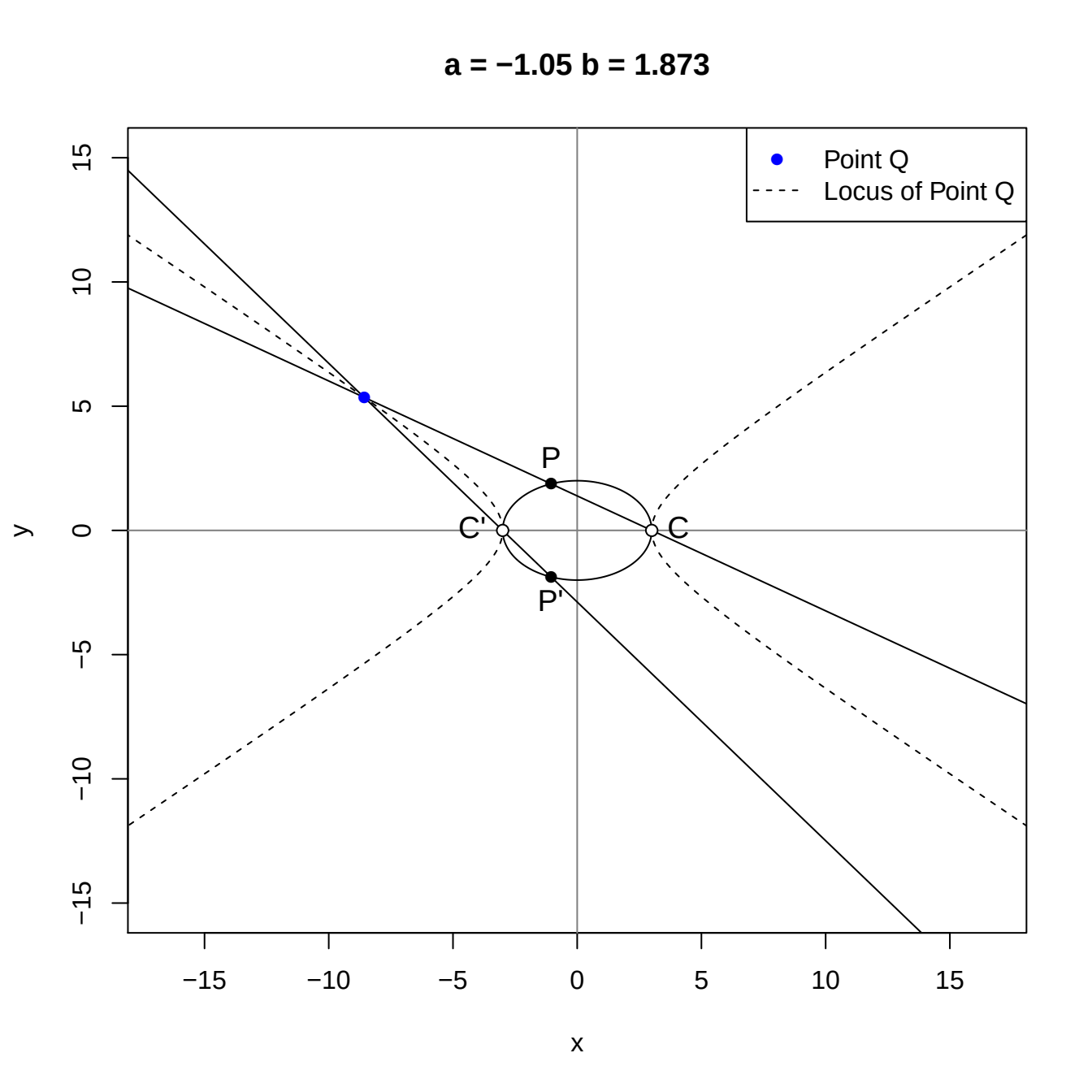

a = −1.3 b = 1.802
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

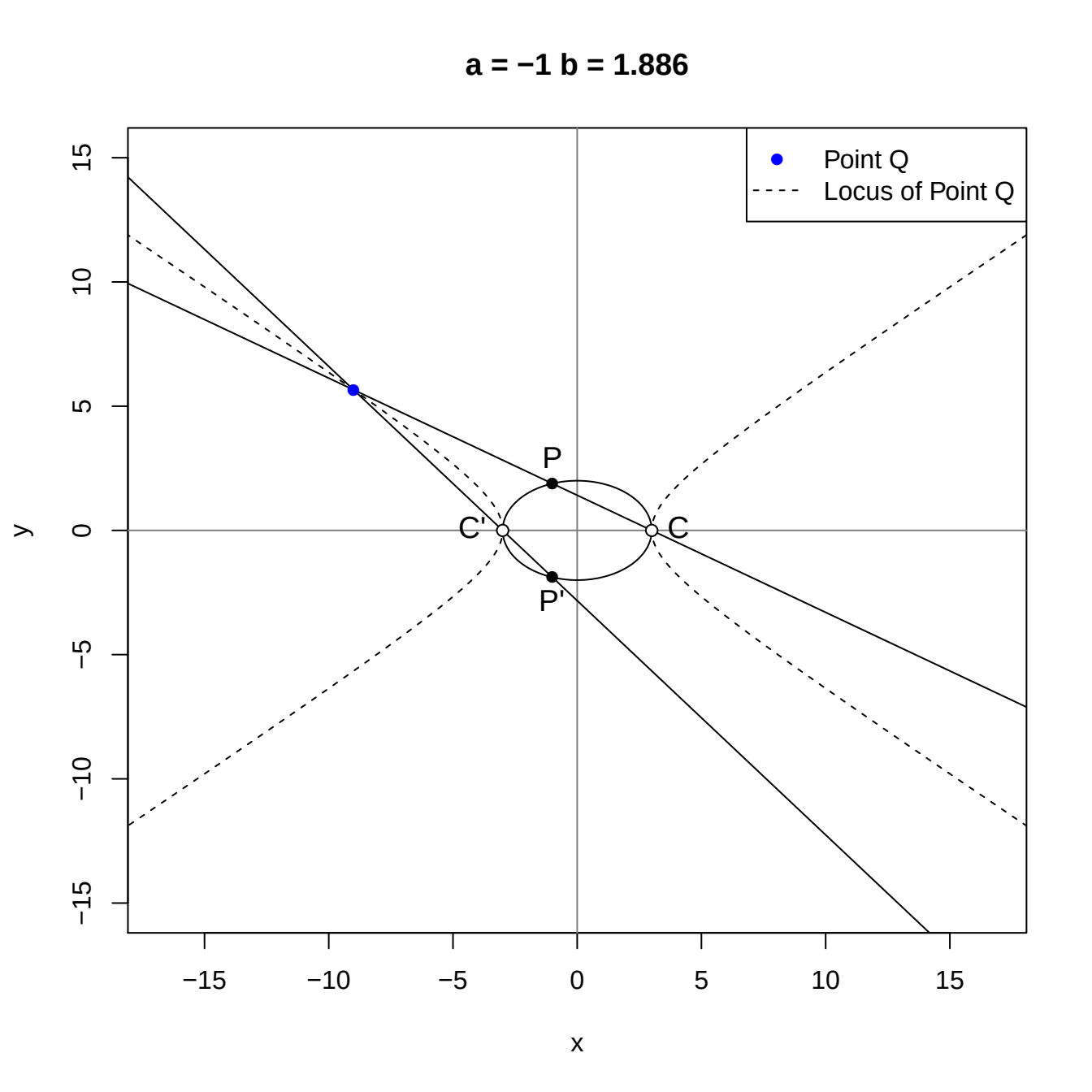

a = −1.25 b = 1.818
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

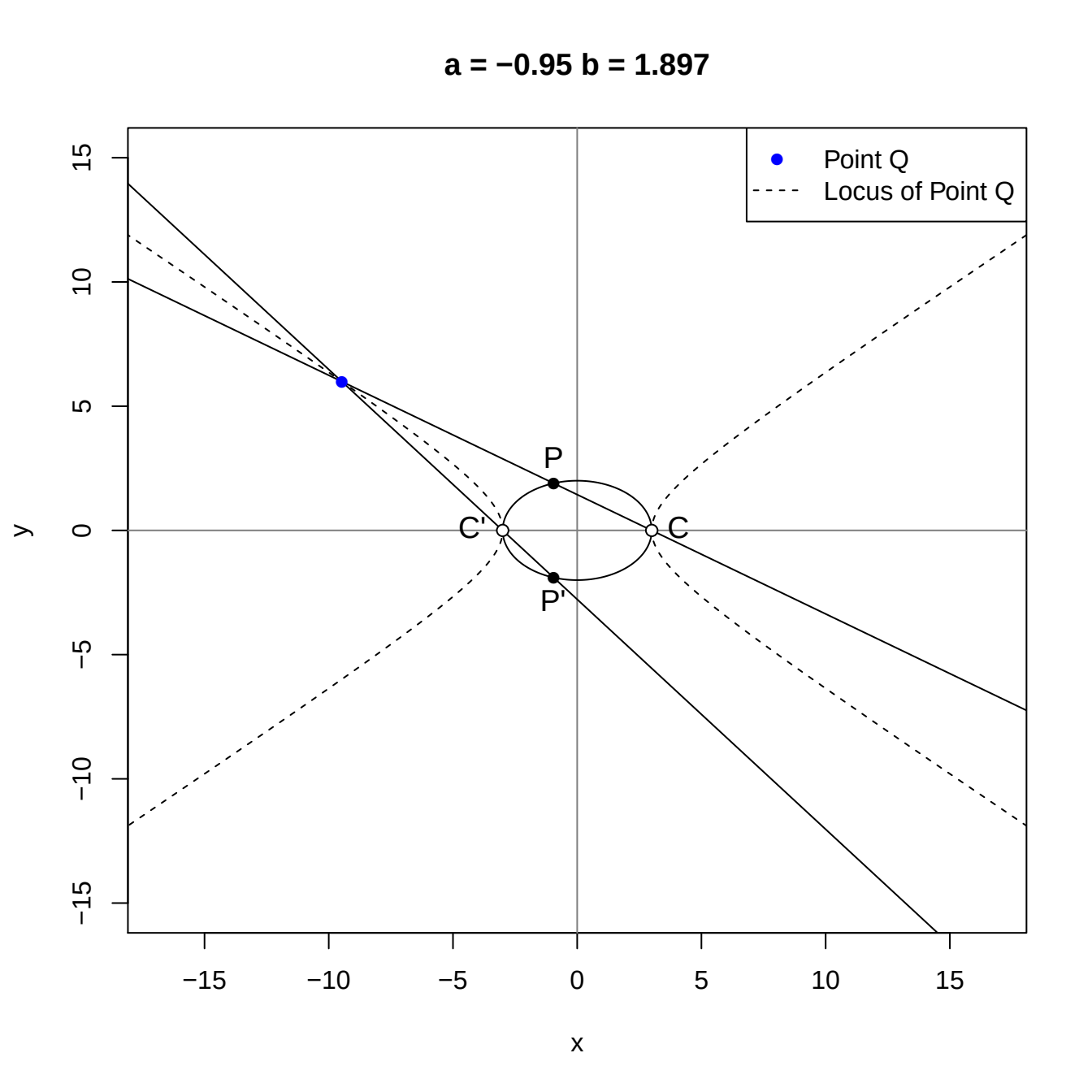

a = −1.2 b = 1.833
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

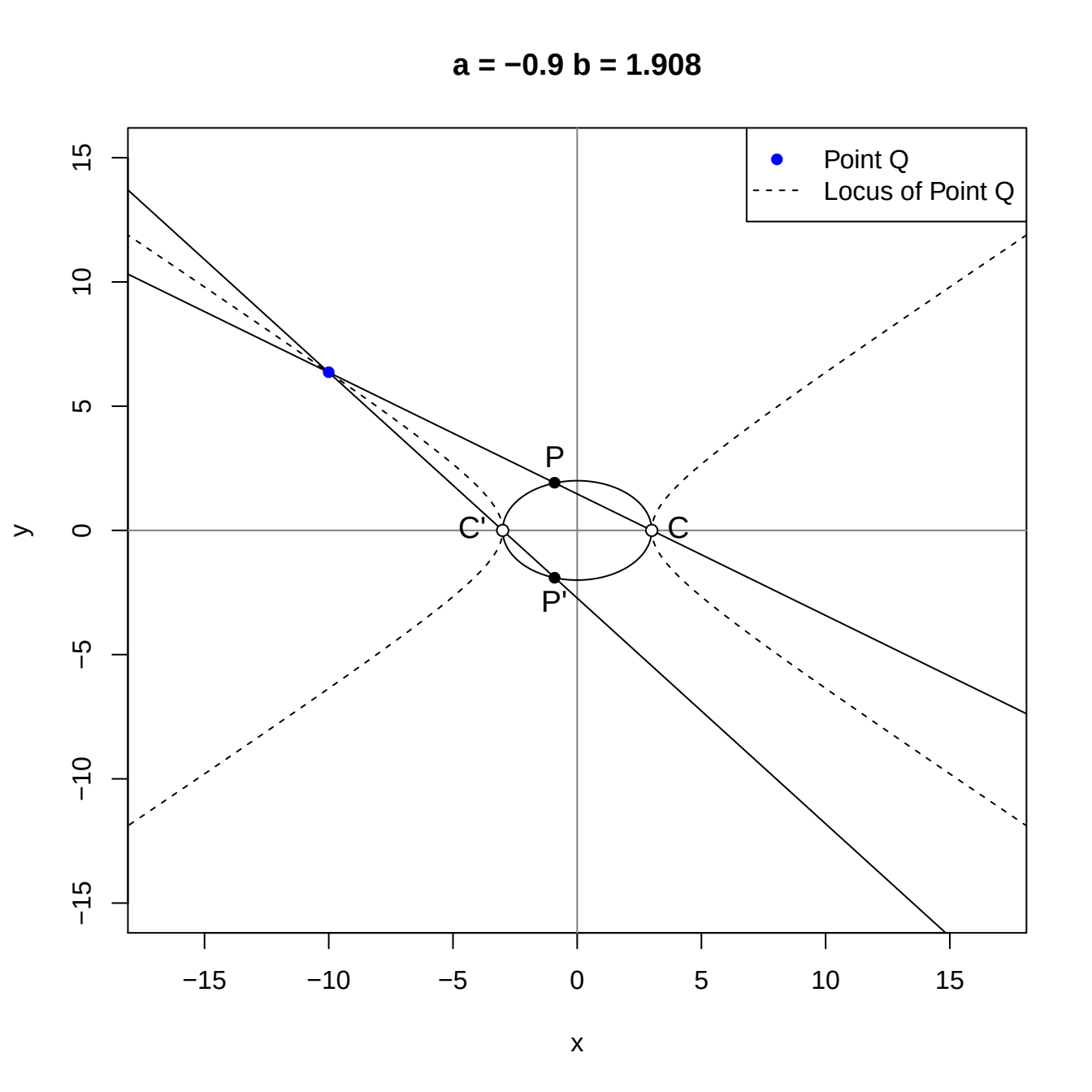

a = −1.15 b = 1.847
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

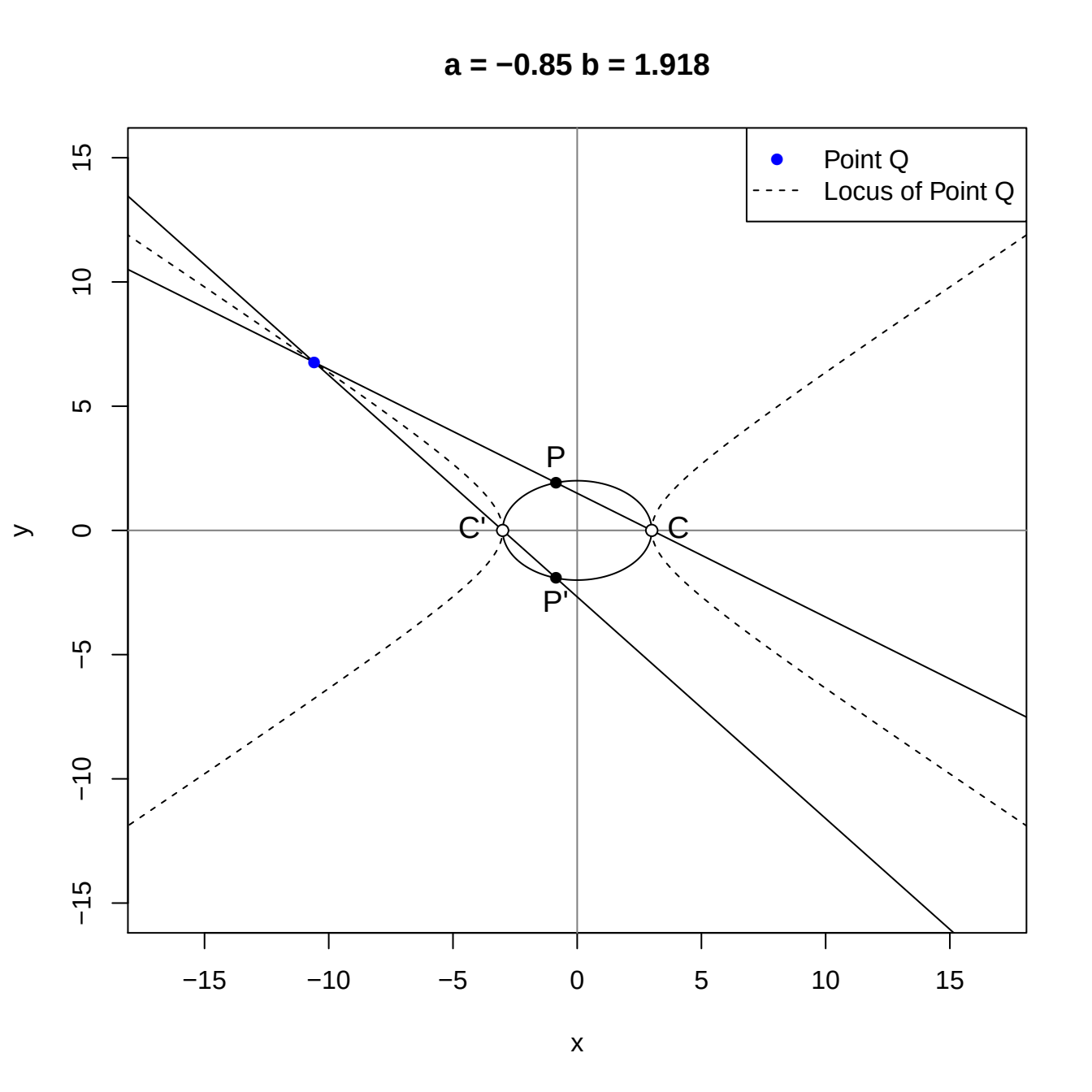

a = −1.1 b = 1.861
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

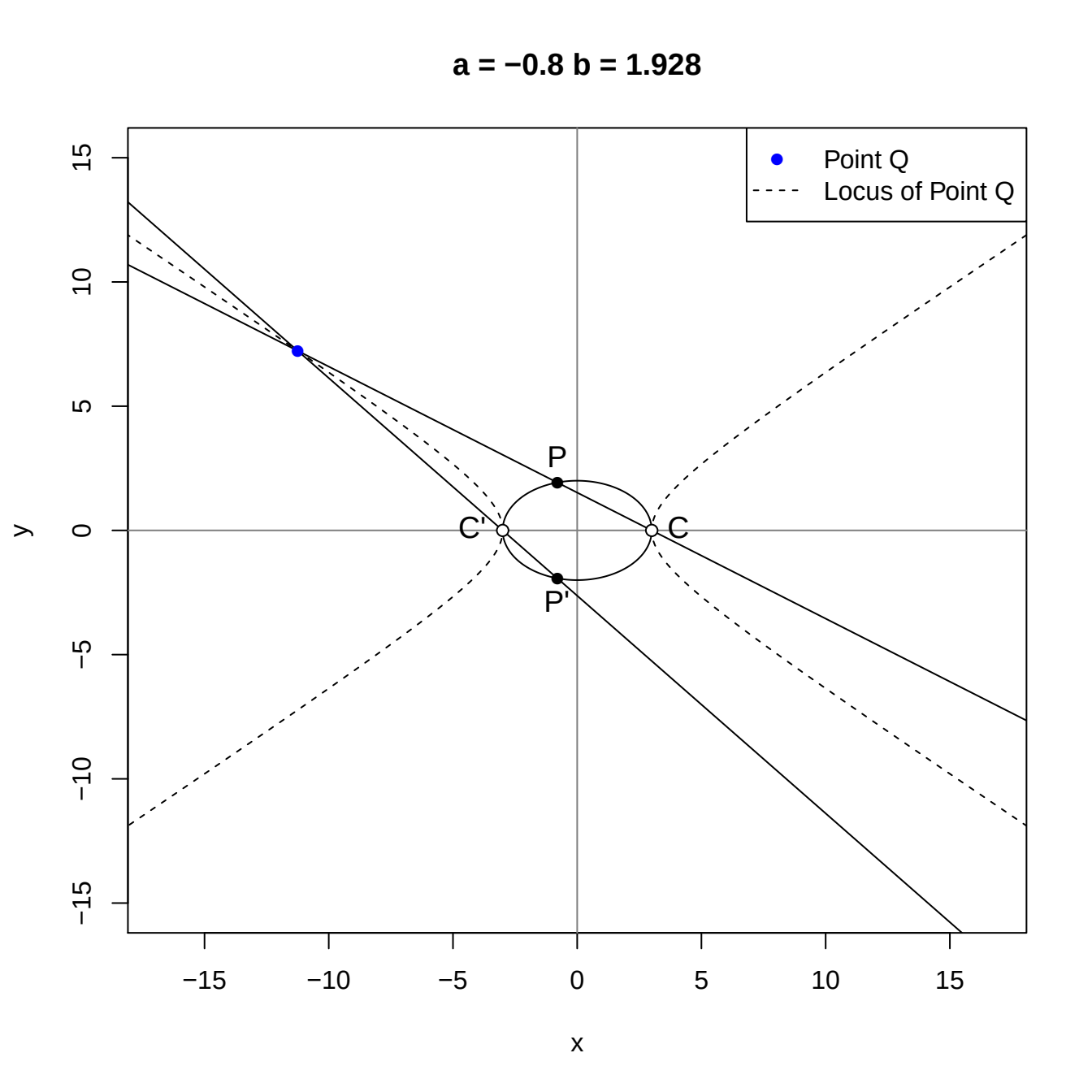

a = −1.05 b = 1.873
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

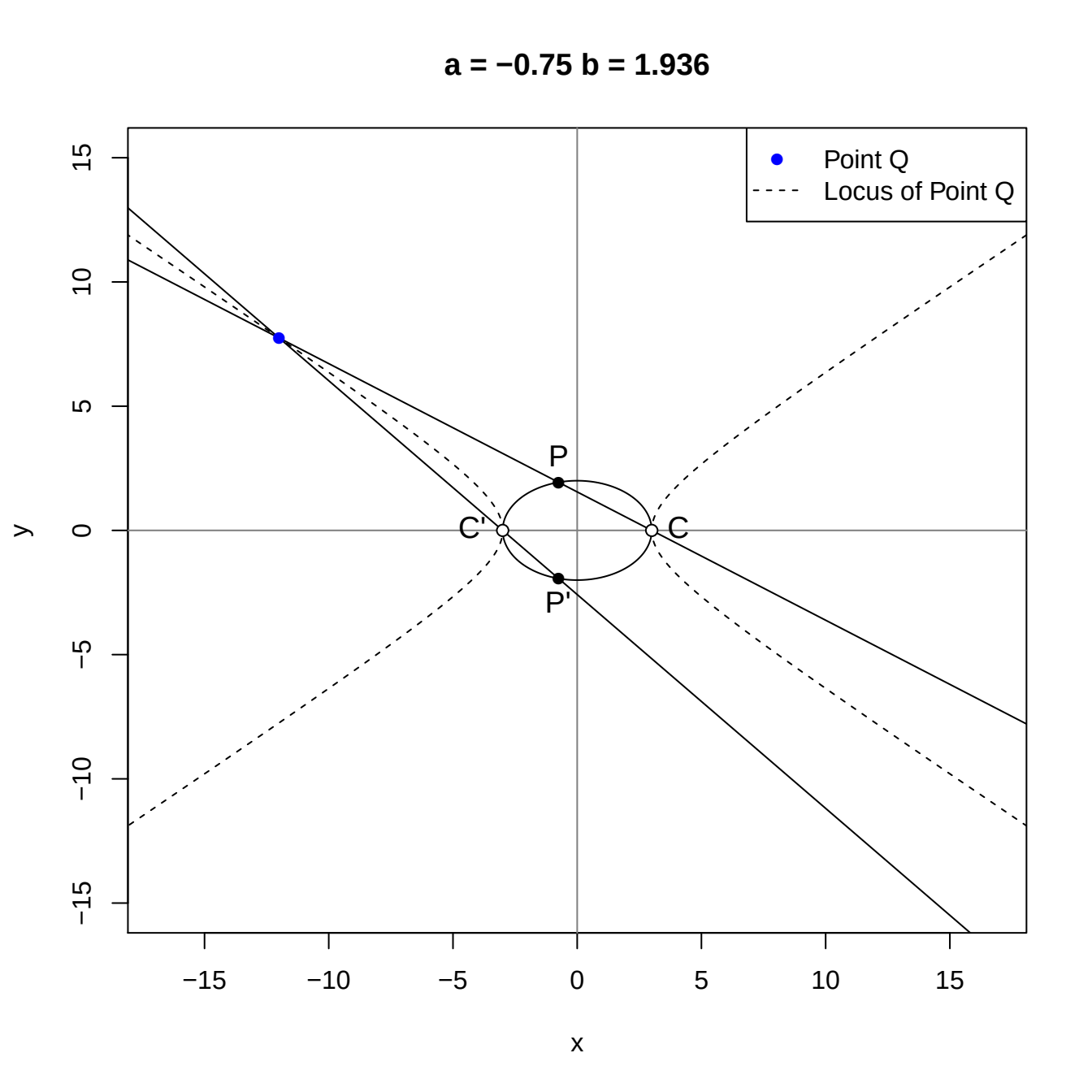

a = −1 b = 1.886
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

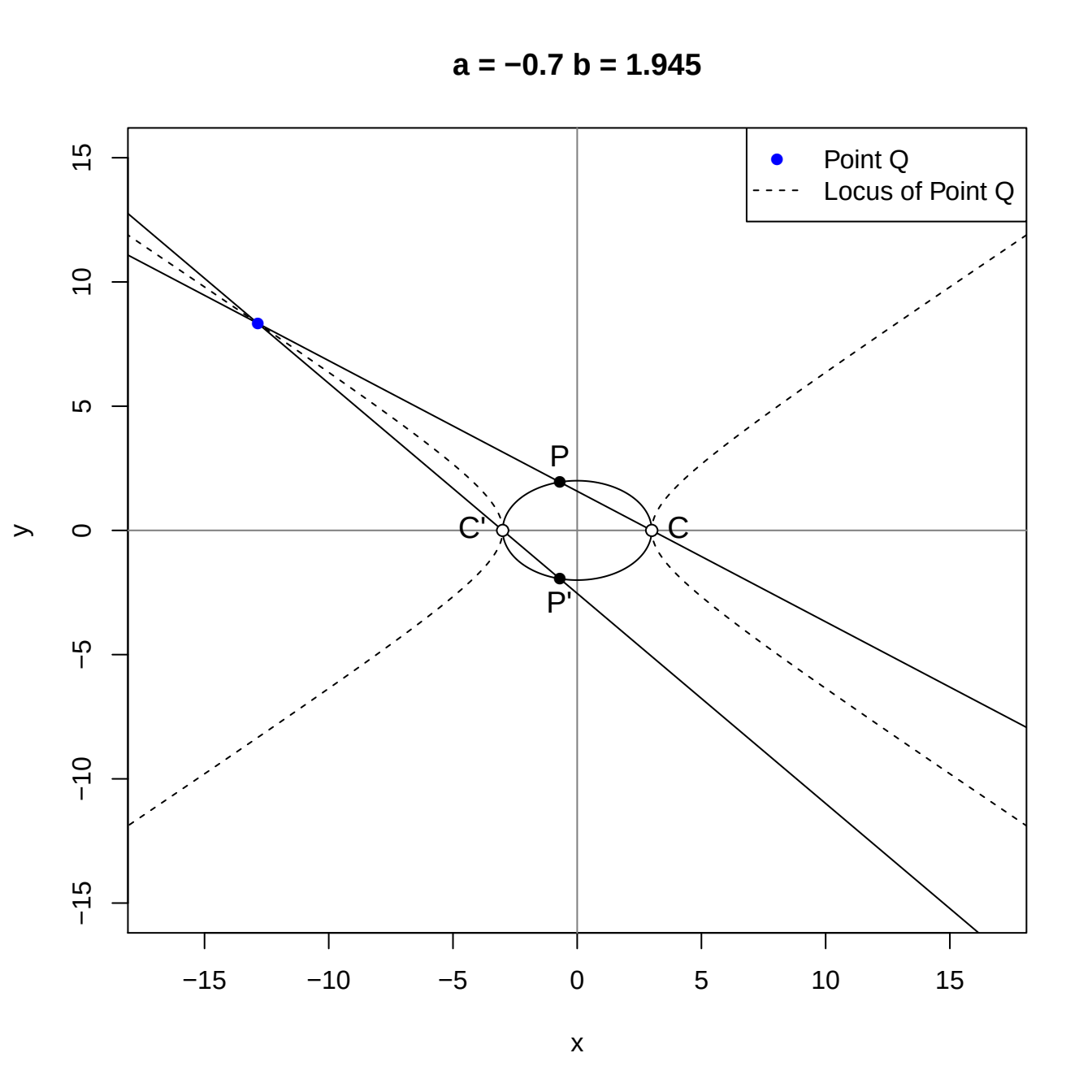

a = −0.95 b = 1.897
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

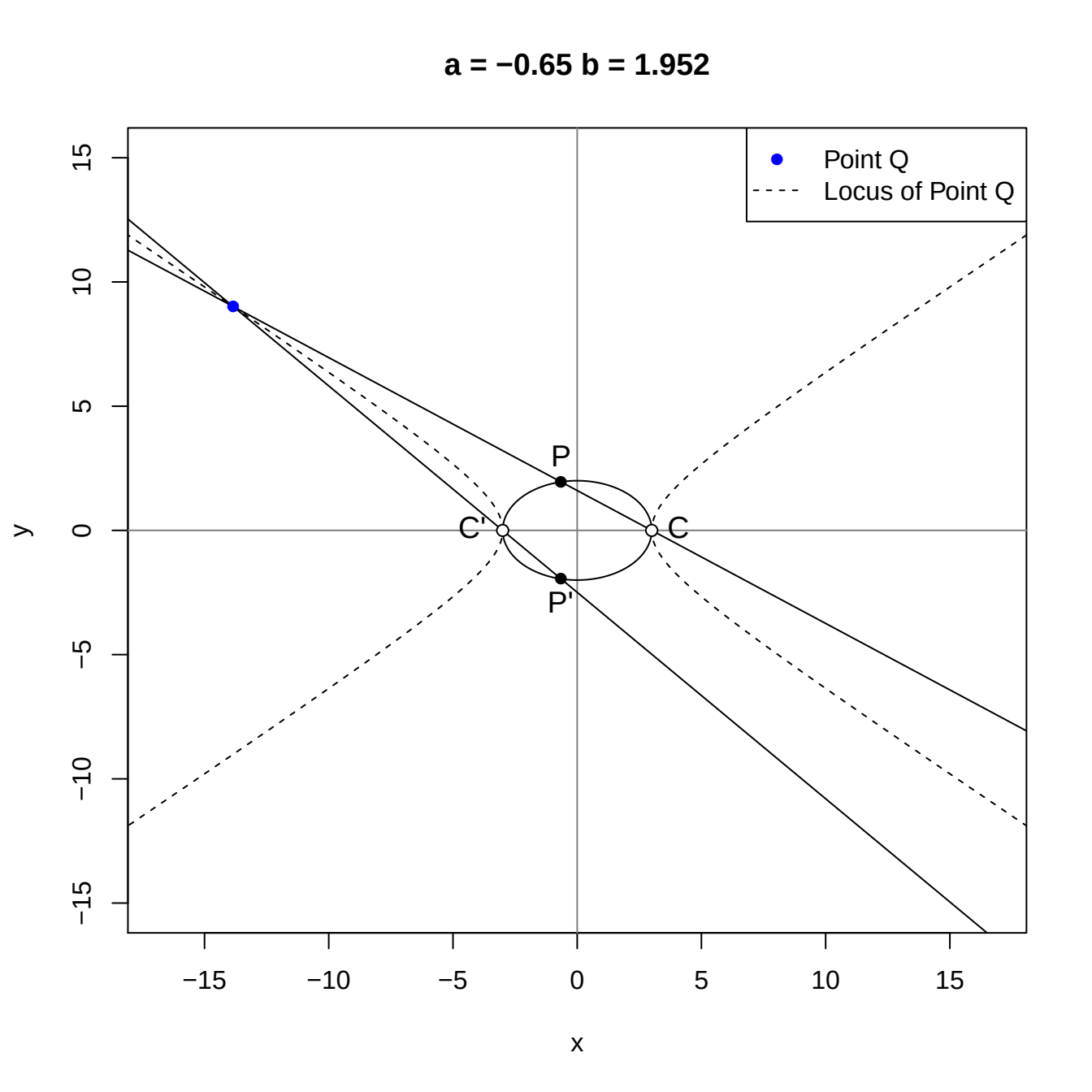

a = −0.9 b = 1.908
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

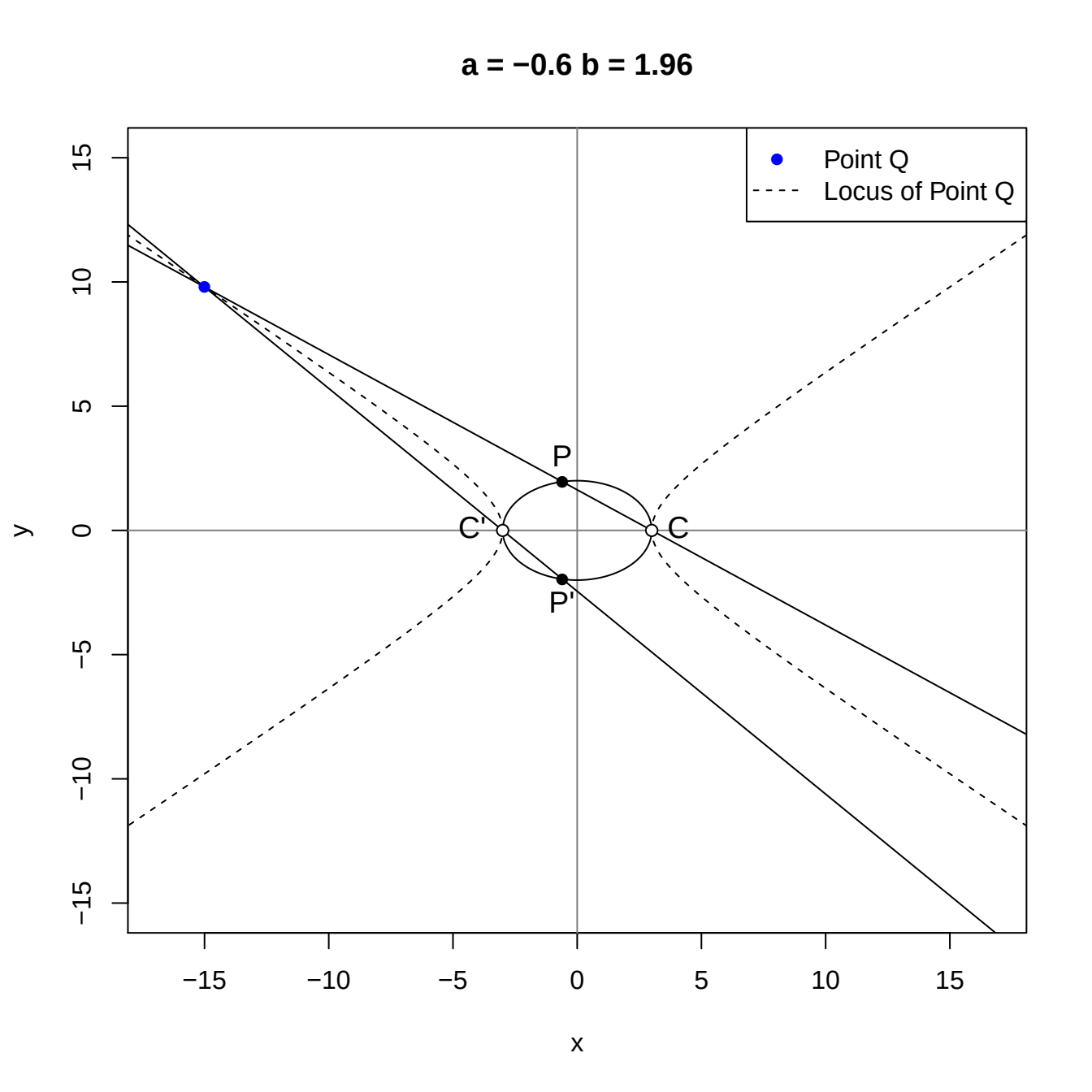

a = −0.85 b = 1.918
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

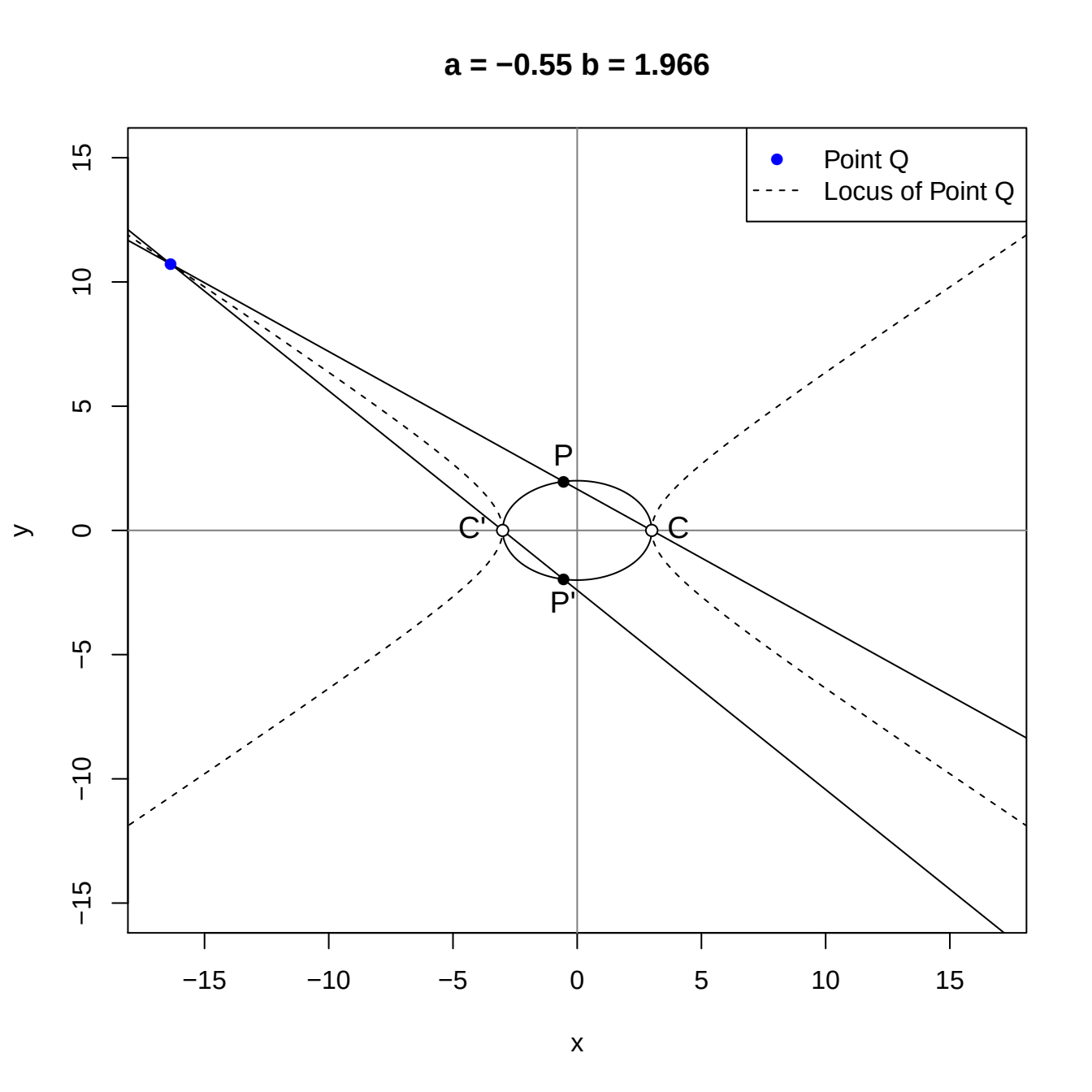

a = −0.8 b = 1.928
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

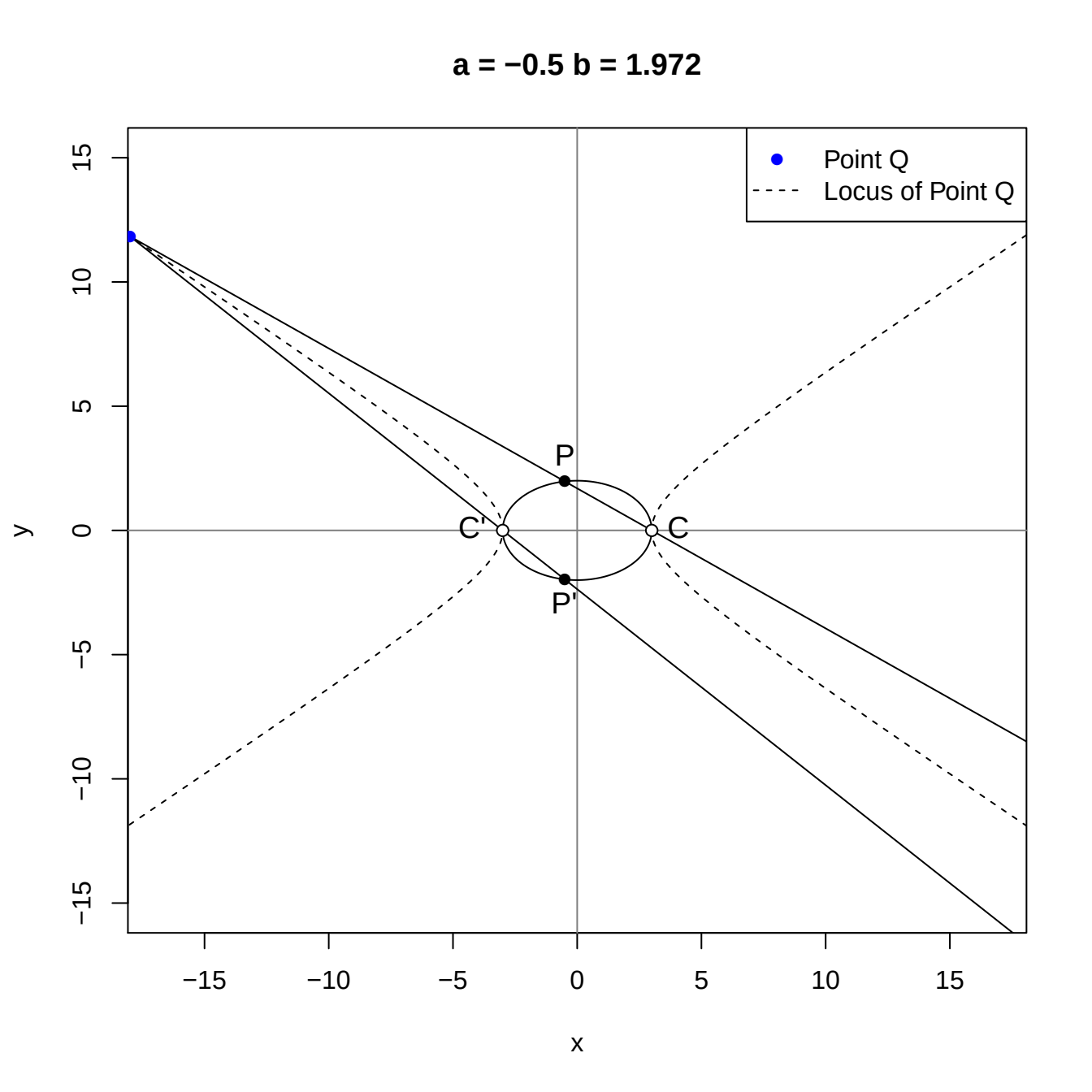

a = −0.75 b = 1.936
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

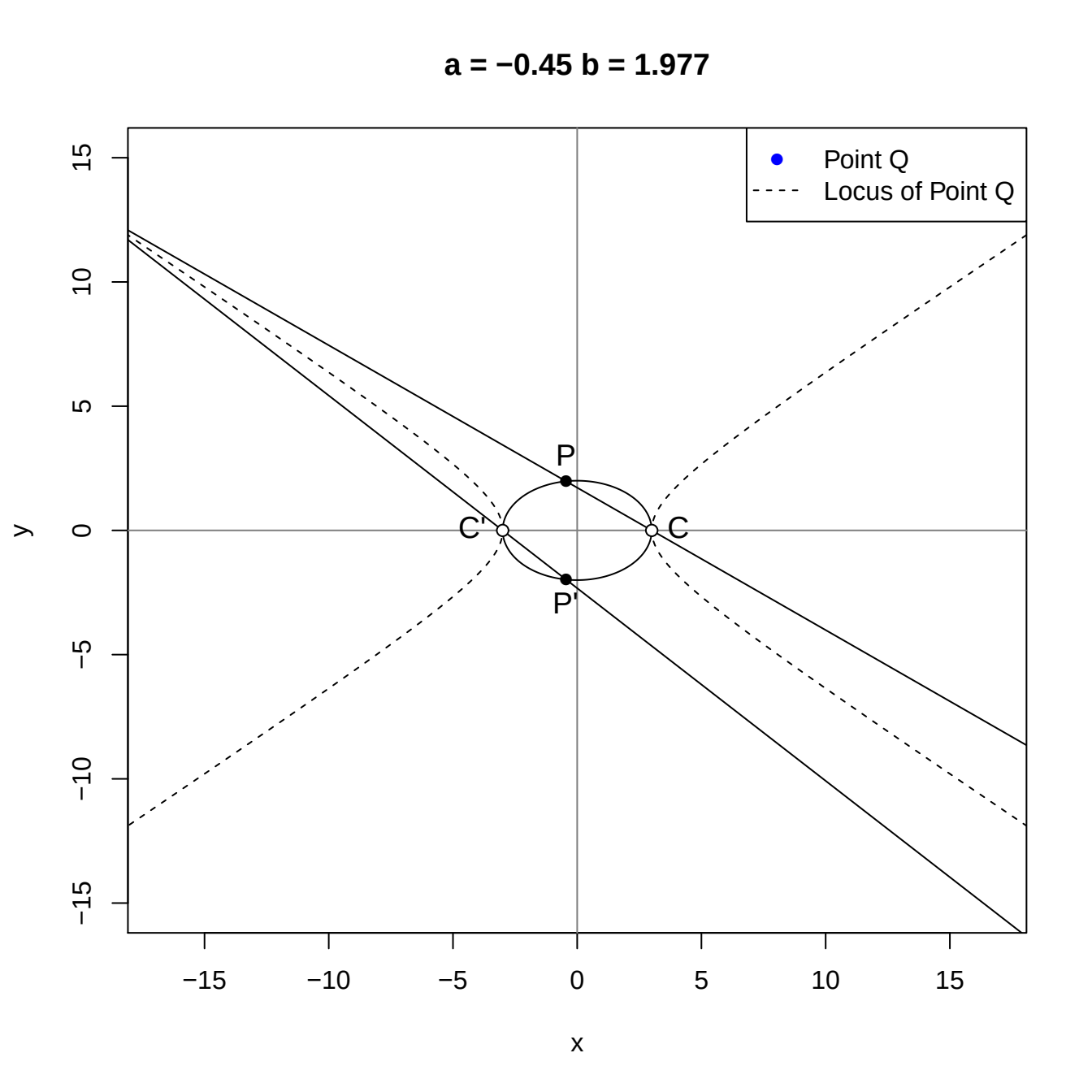

a = −0.7 b = 1.945
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

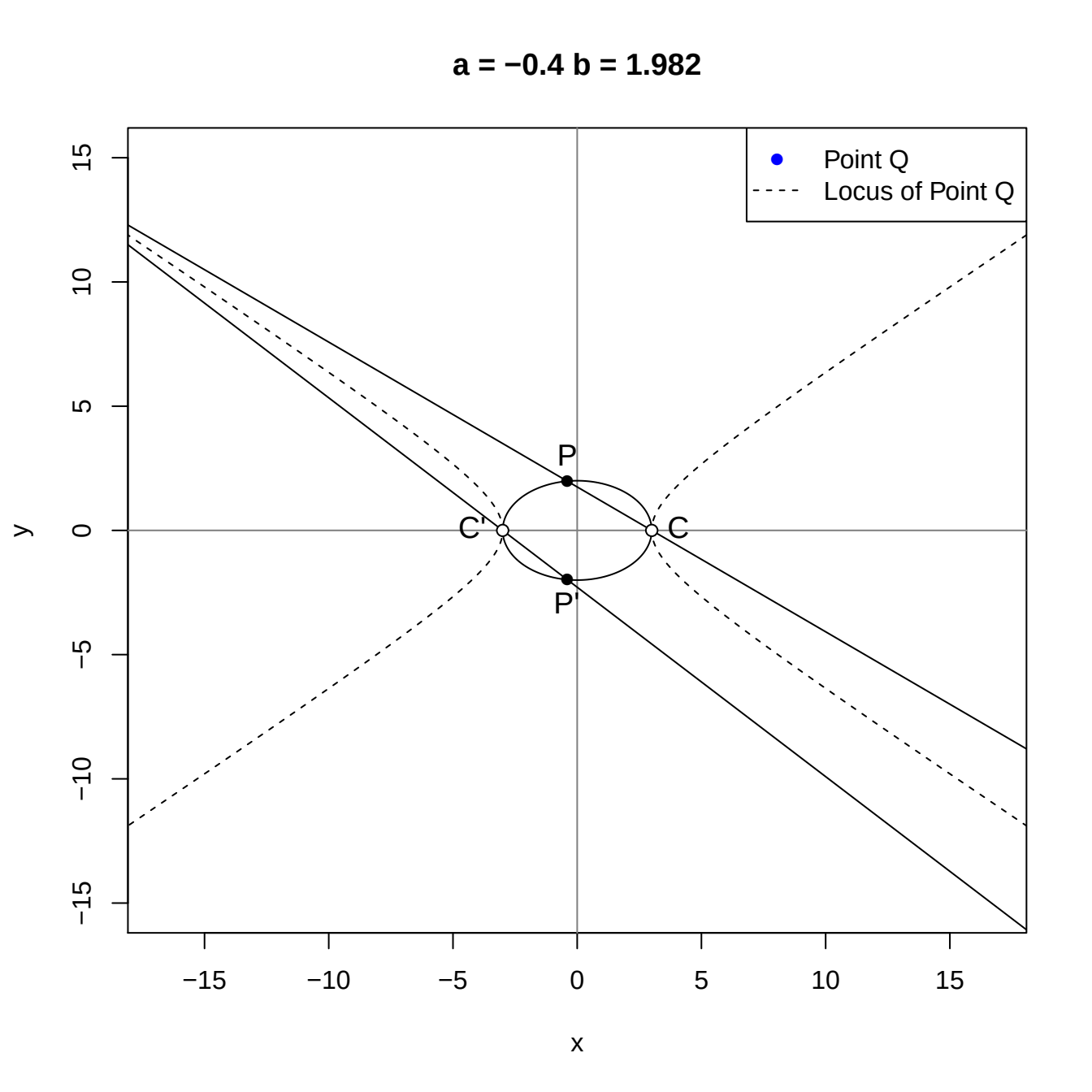

a = −0.65 b = 1.952
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

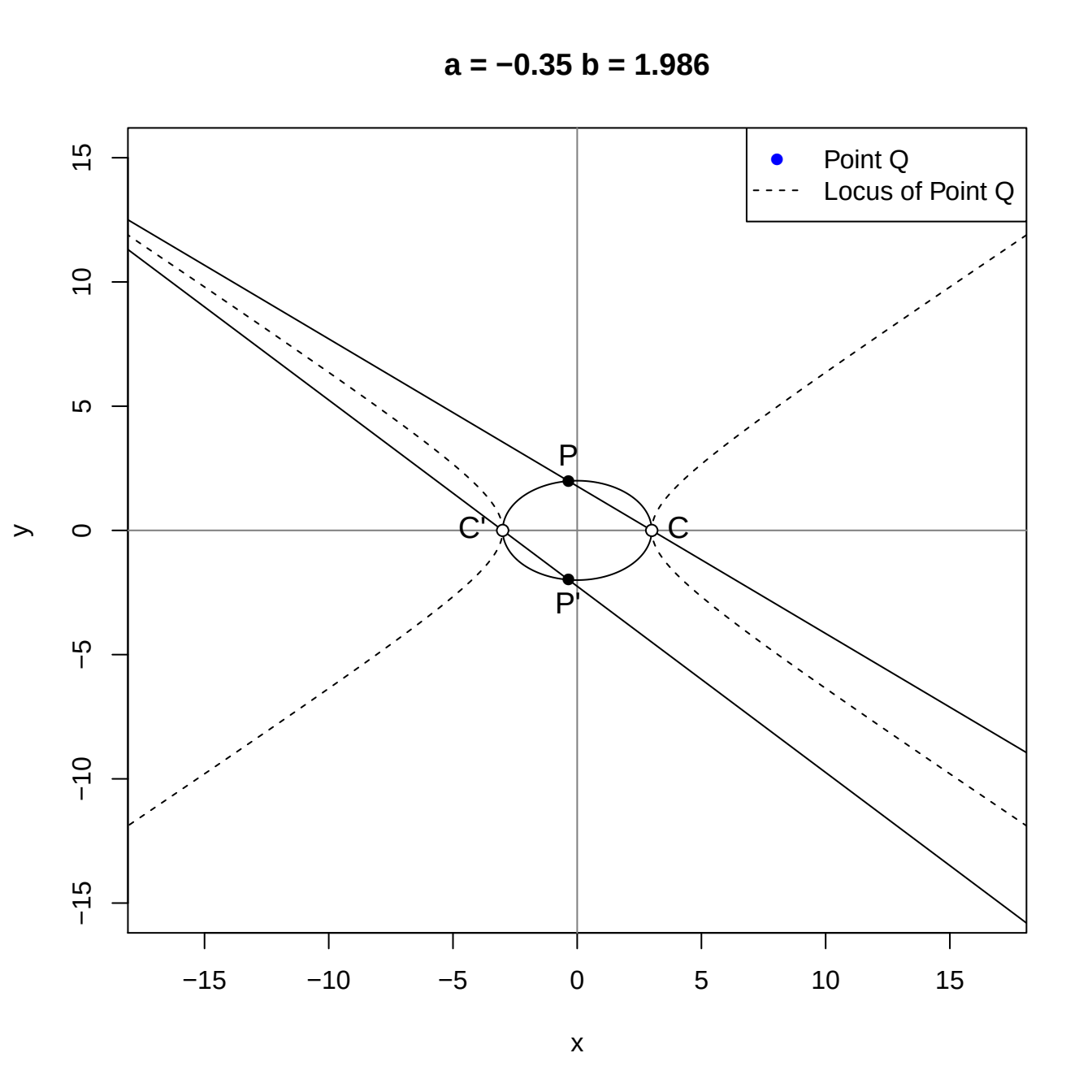

a = −0.6 b = 1.96
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

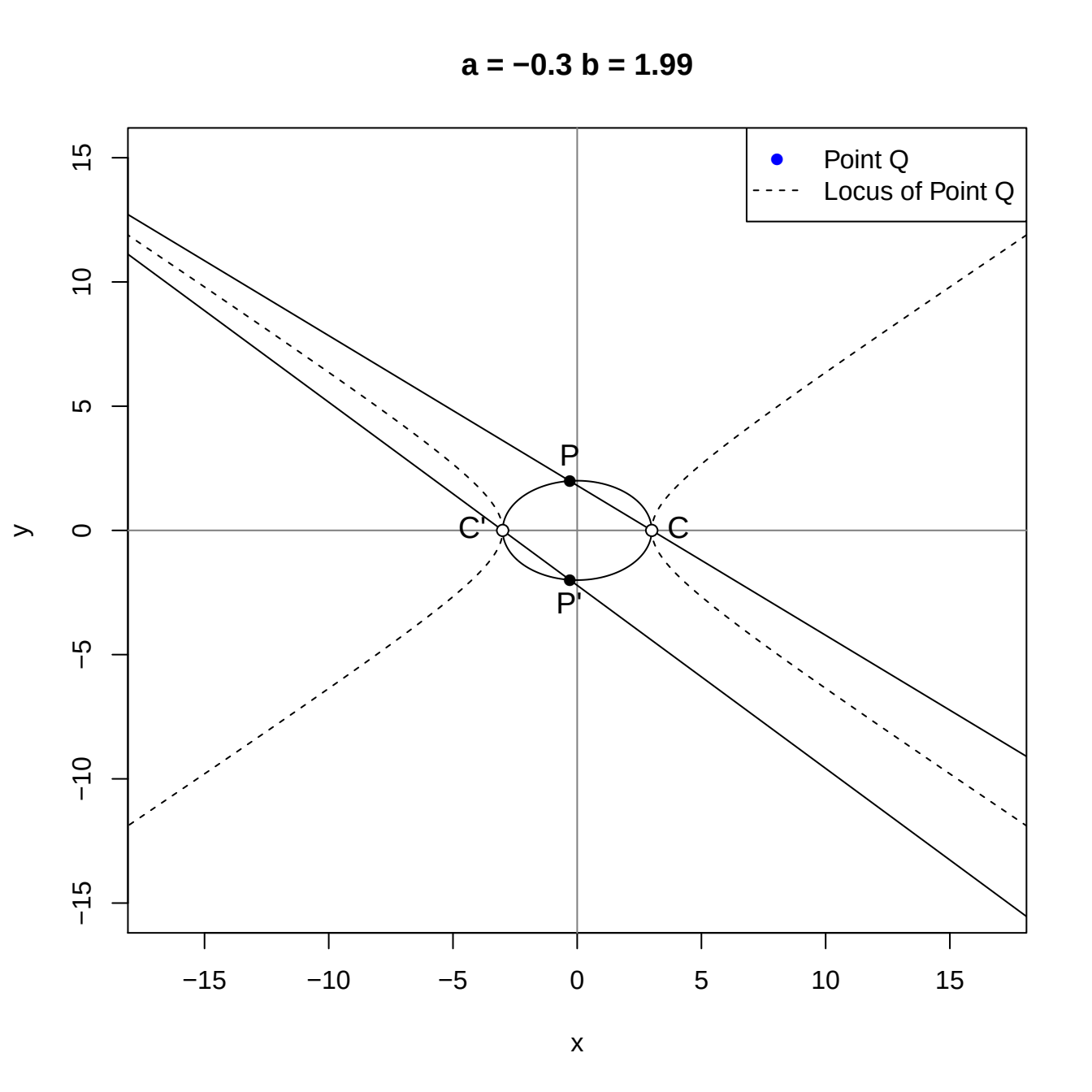

a = −0.55 b = 1.966
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

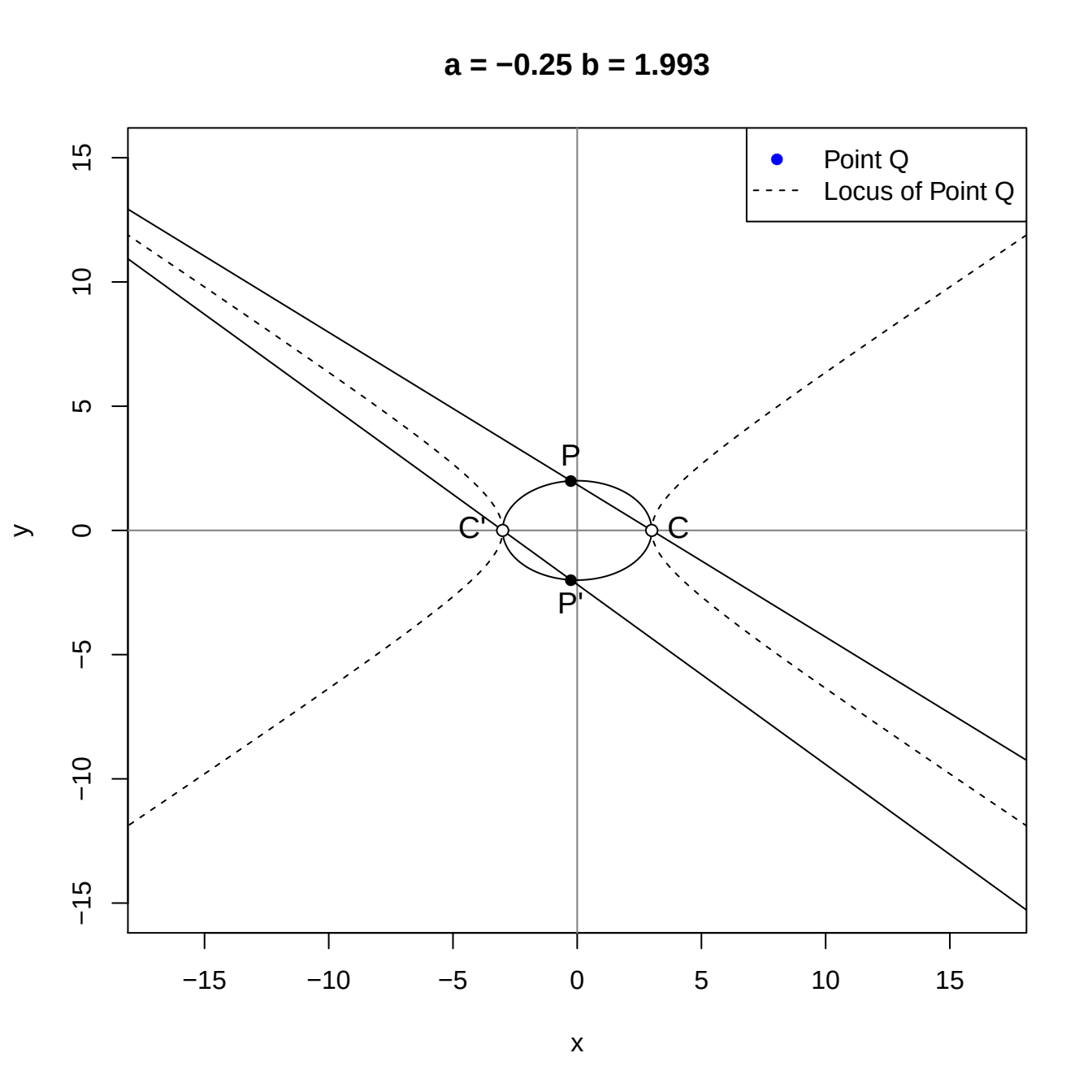

a = −0.5 b = 1.972
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

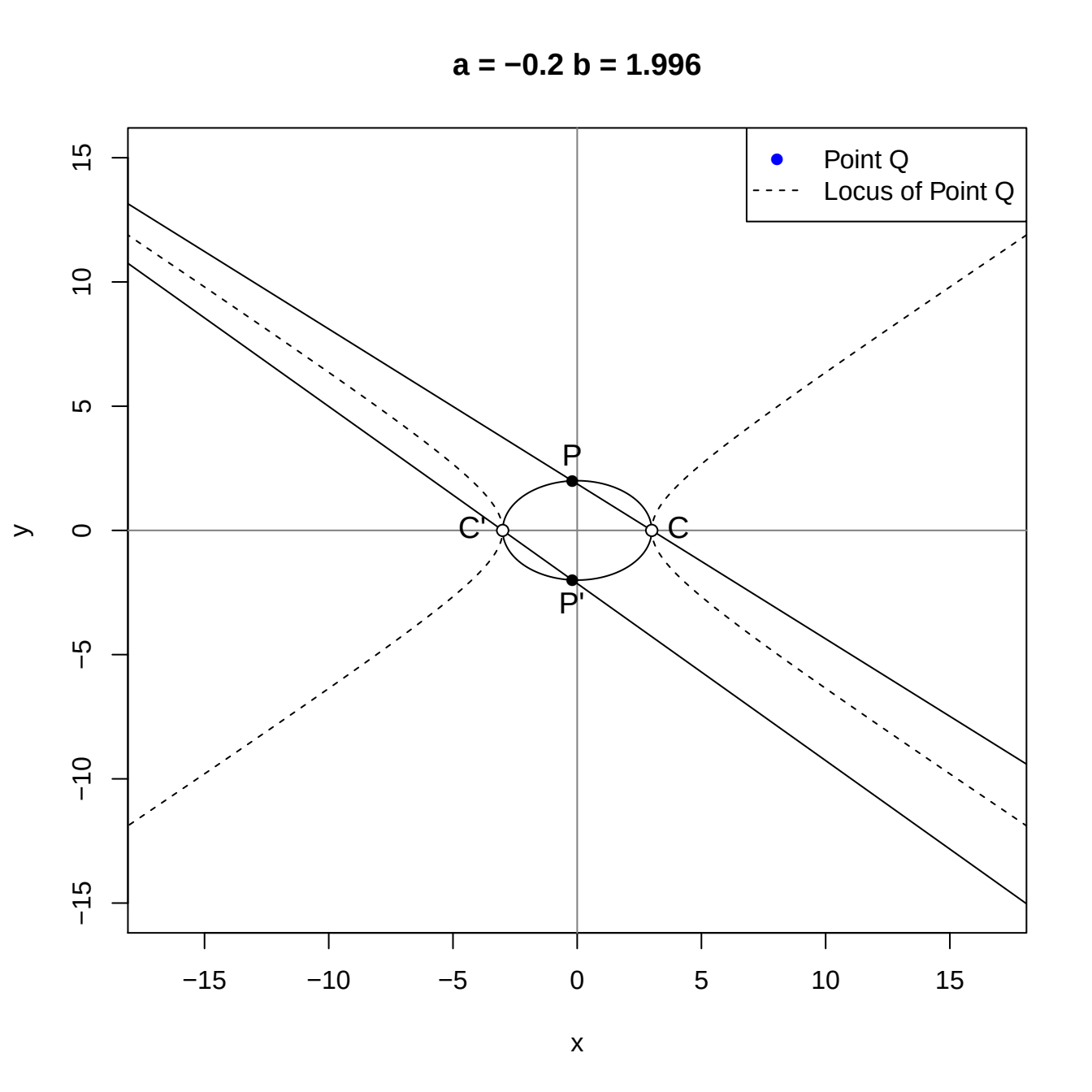

a = −0.45 b = 1.977
Point Q
Locus of Point Q
P
P'
C'
C
x
y
−15
−10
−5
0
5
10
15

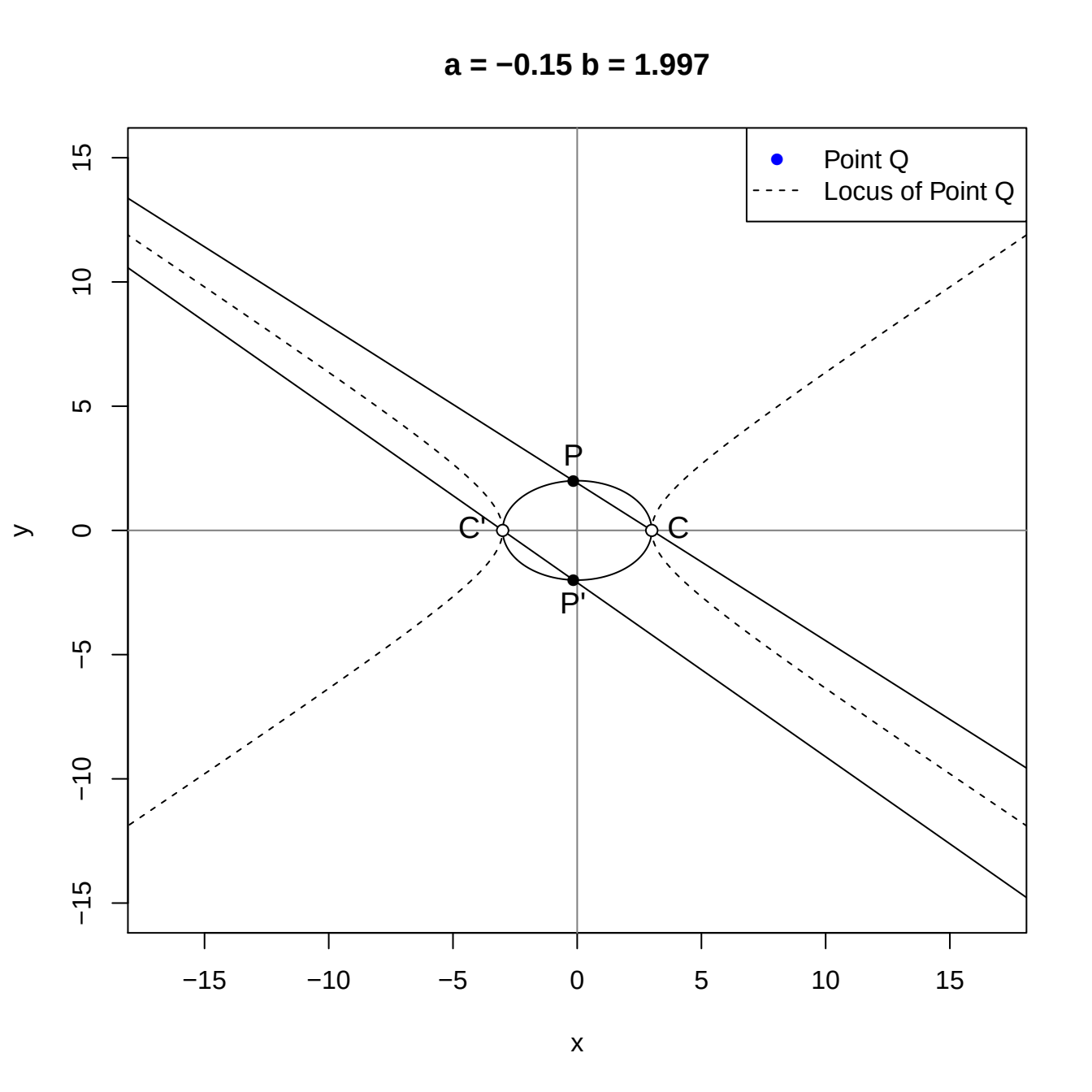

a = −0.4 b = 1.982
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

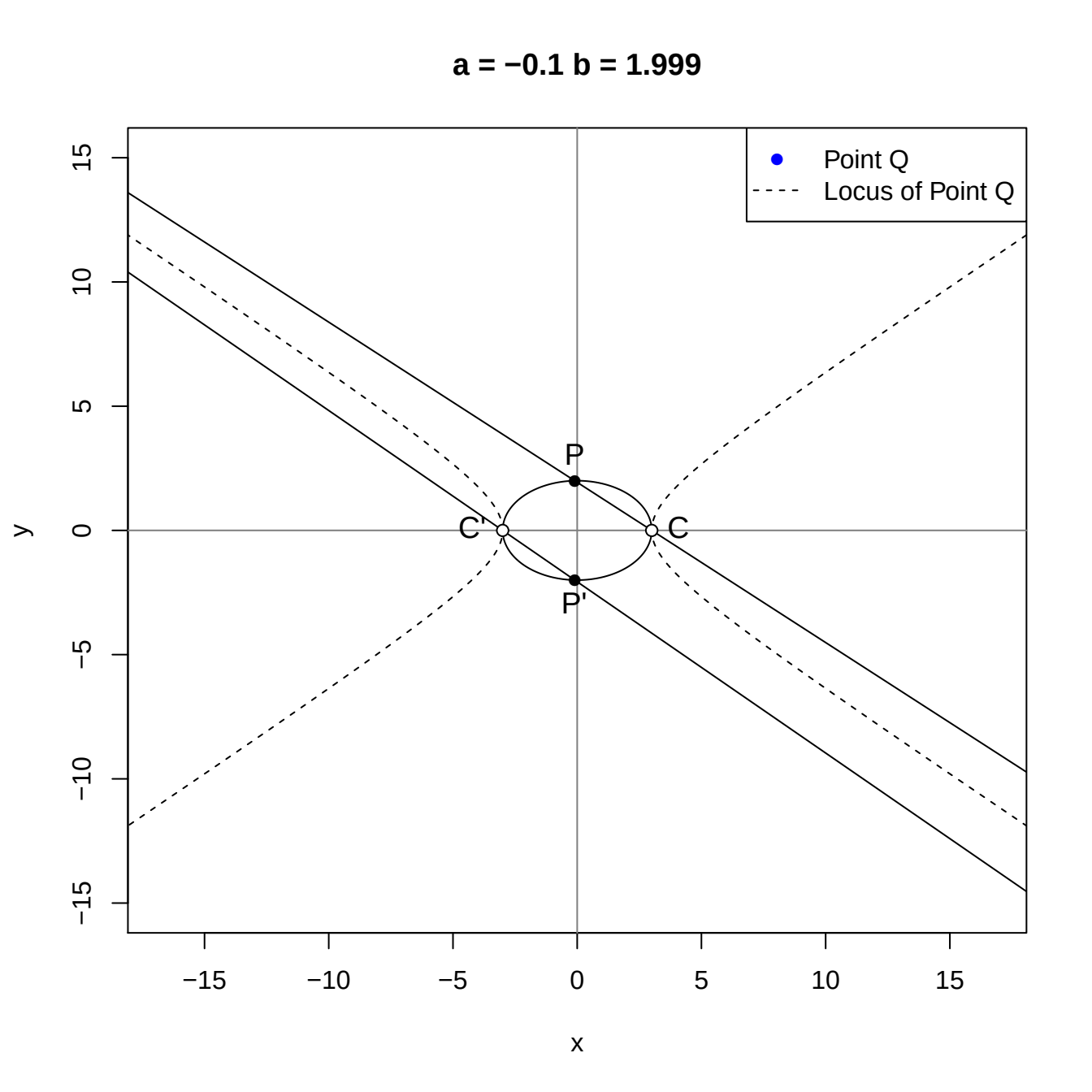

a = −0.35 b = 1.986
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

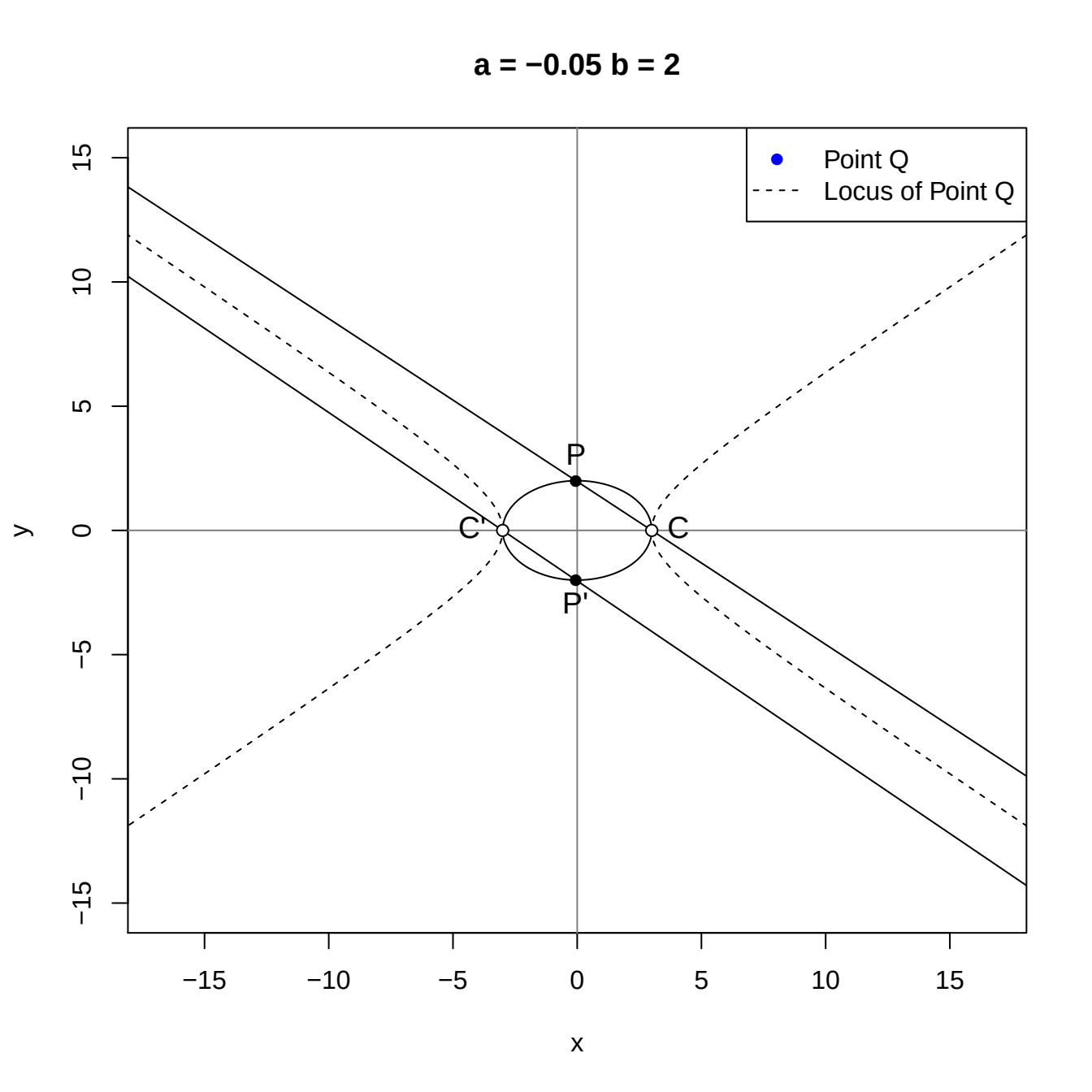

a = −0.3 b = 1.99
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

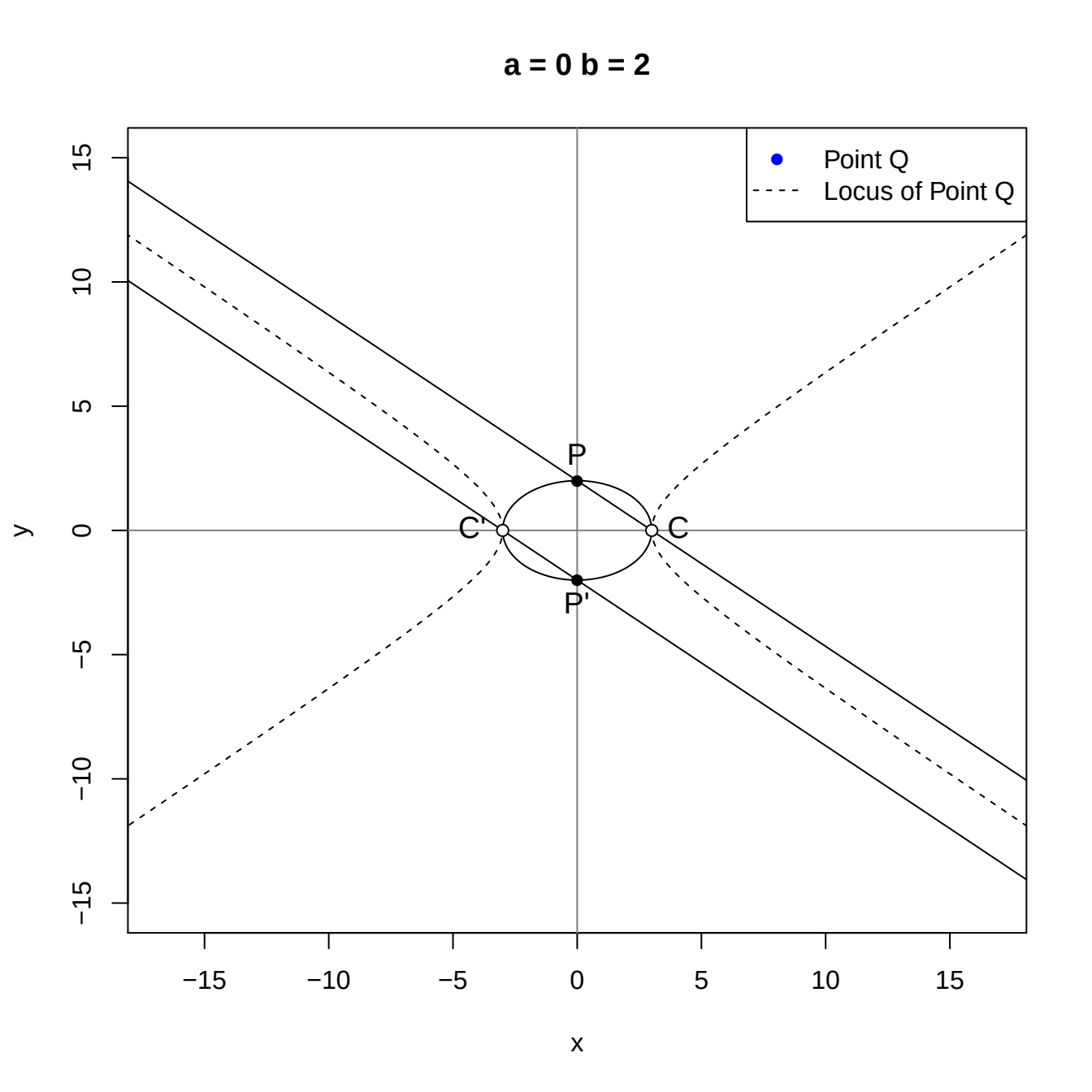

a = −0.25 b = 1.993
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

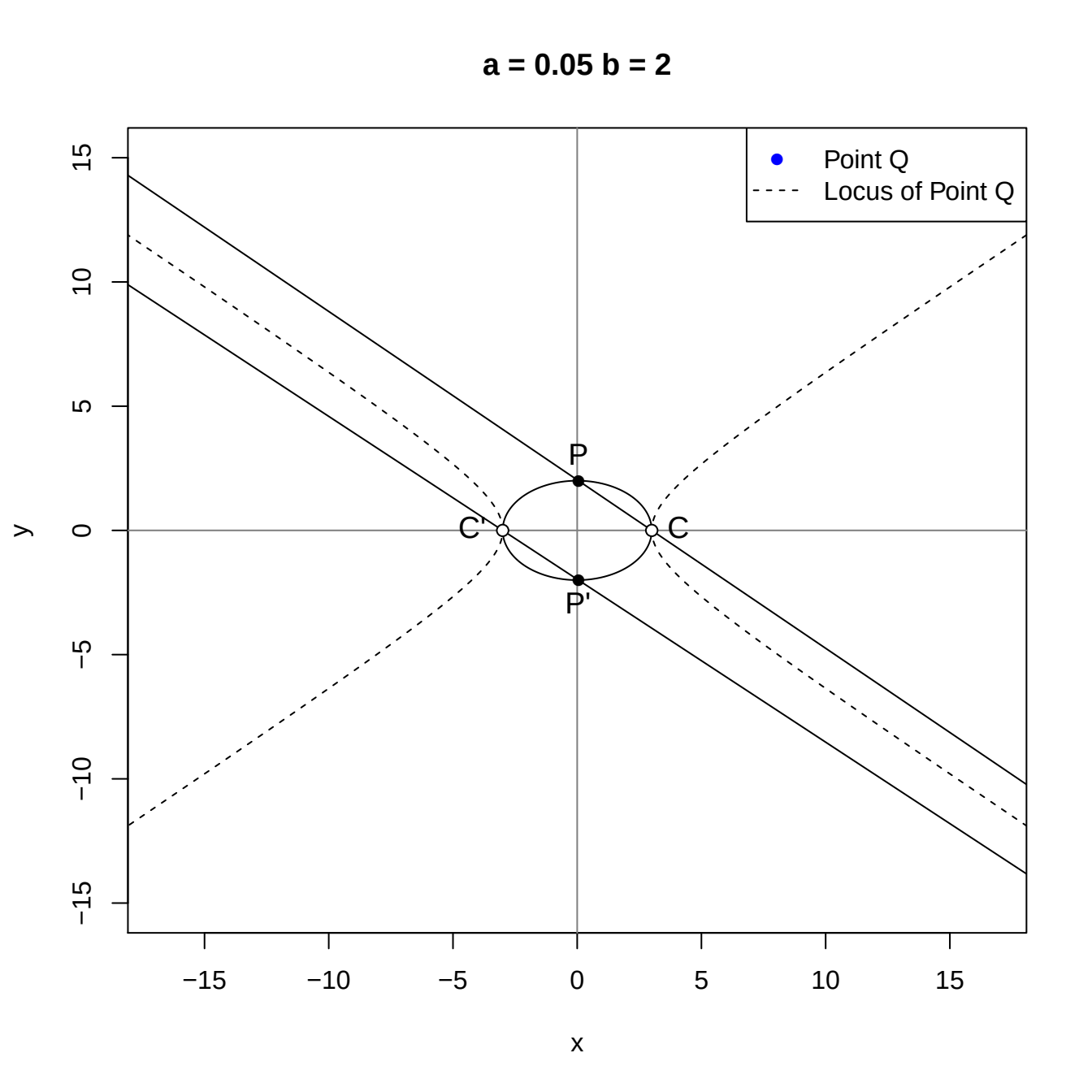

a = −0.2 b = 1.996
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

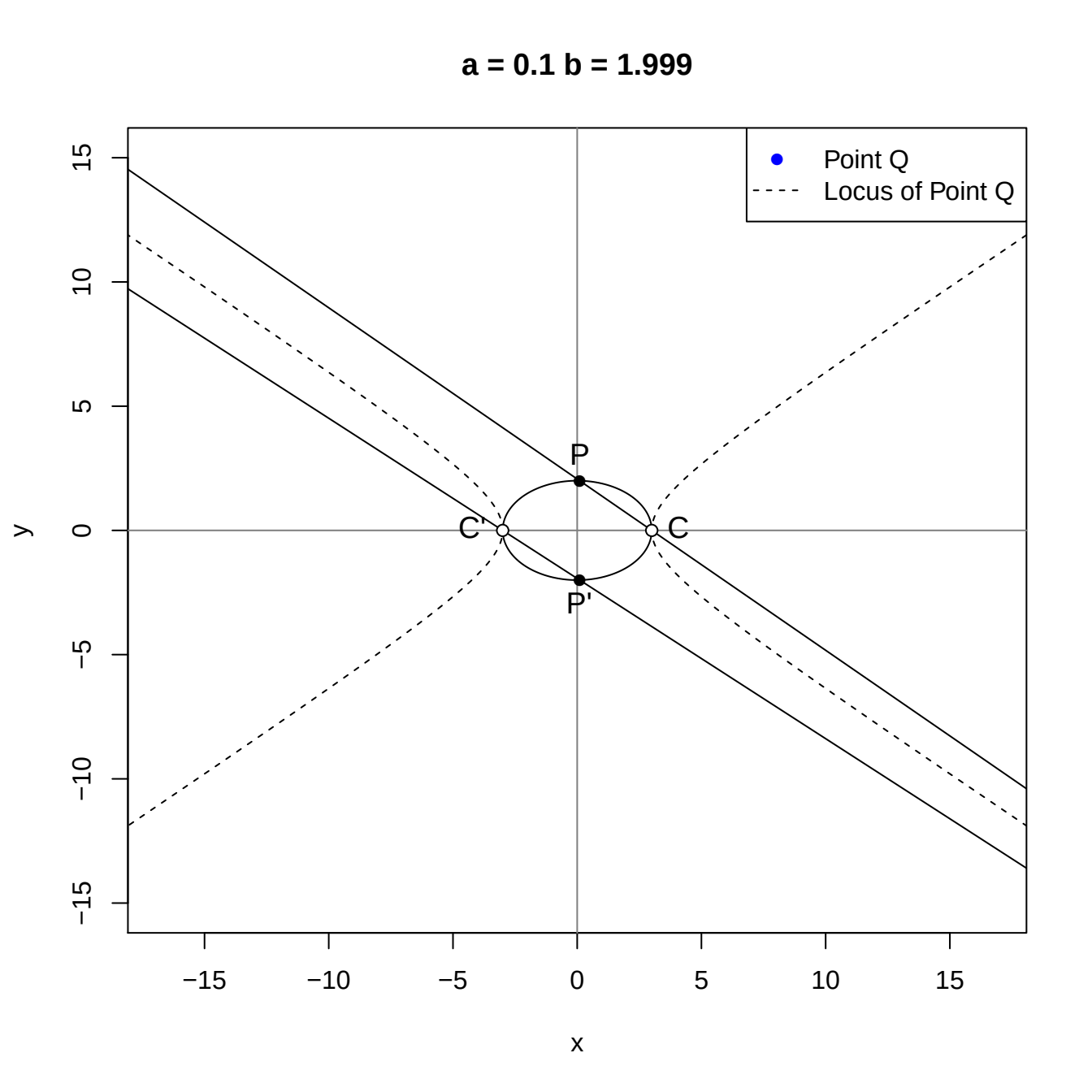

a = −0.15 b = 1.997
Point Q
Locus of Point Q
P
P'
C
C'
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

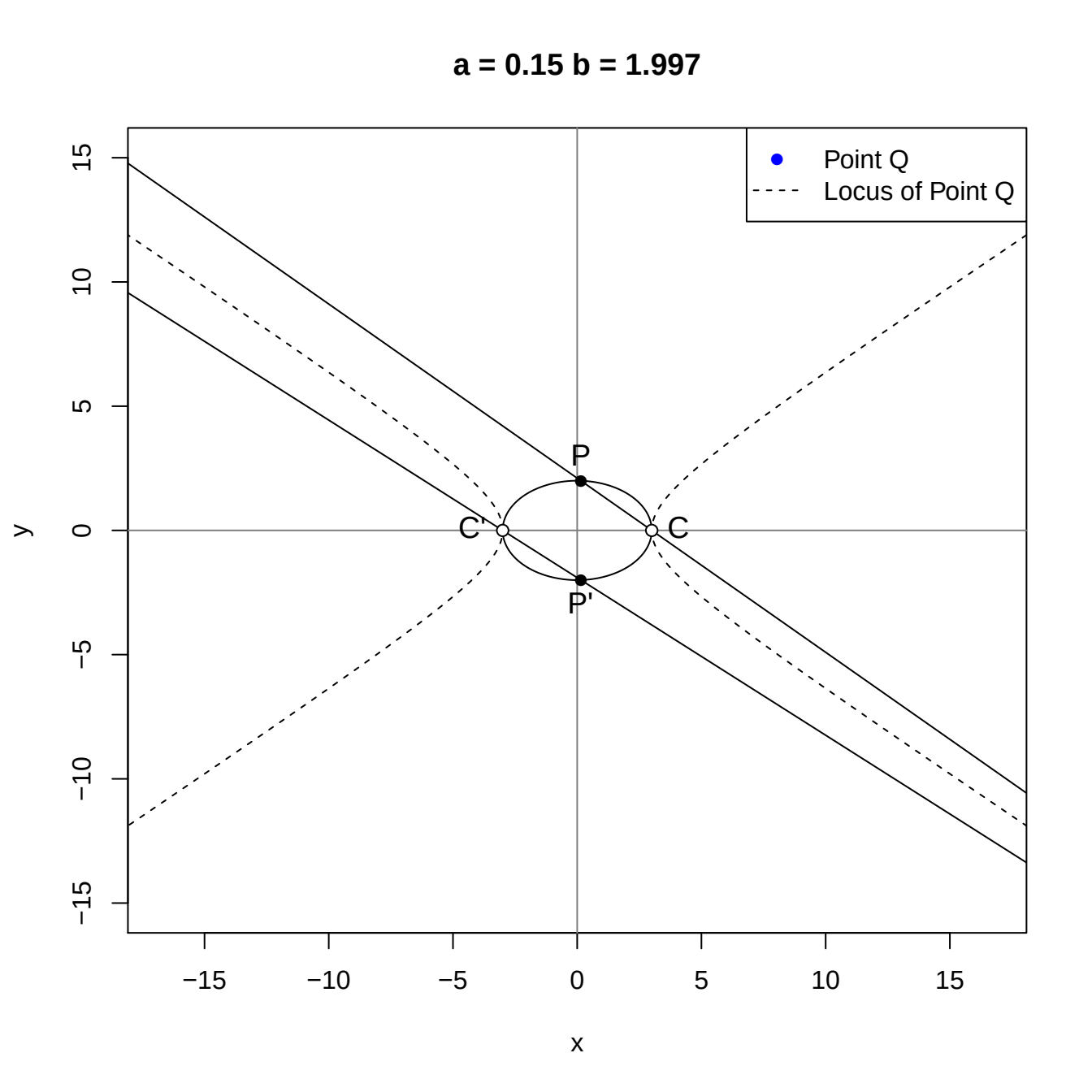

a = −0.1 b = 1.999
Point Q
Locus of Point Q
P
P'
C
C'
x
y
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

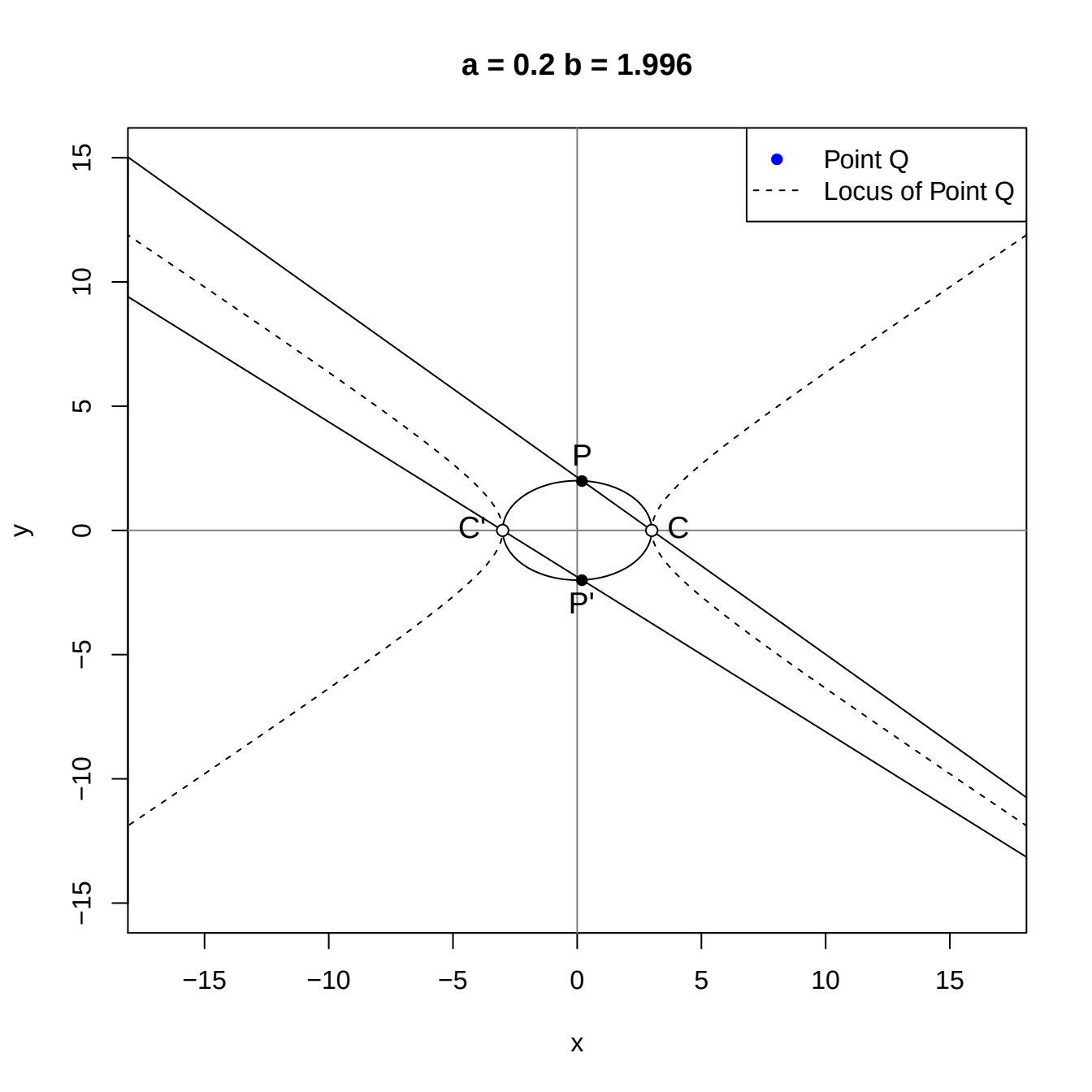

a = −0.05 b = 2
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

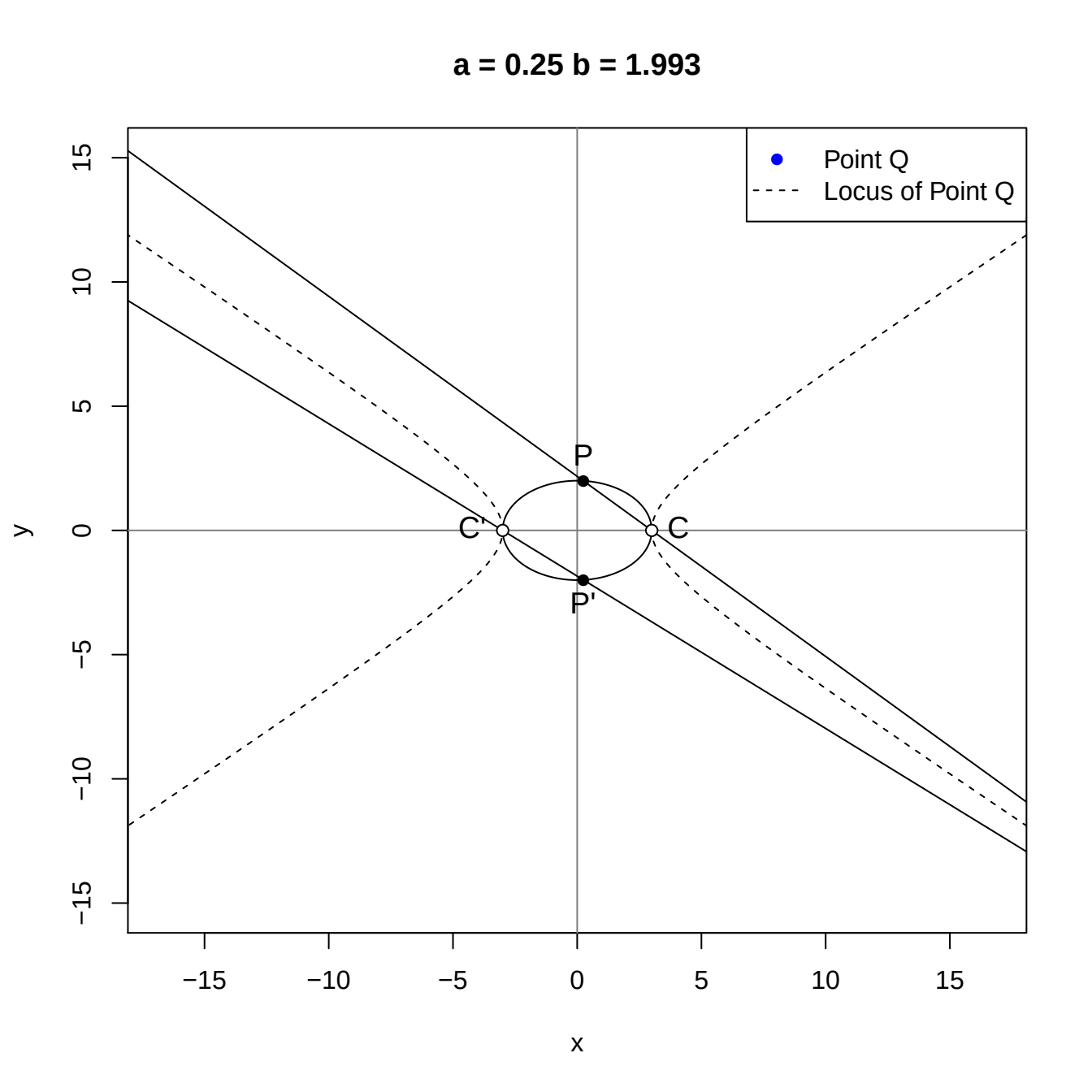

a = 0 b = 2
Point Q
Locus of Point Q
P
P'
C
C'
x
y
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

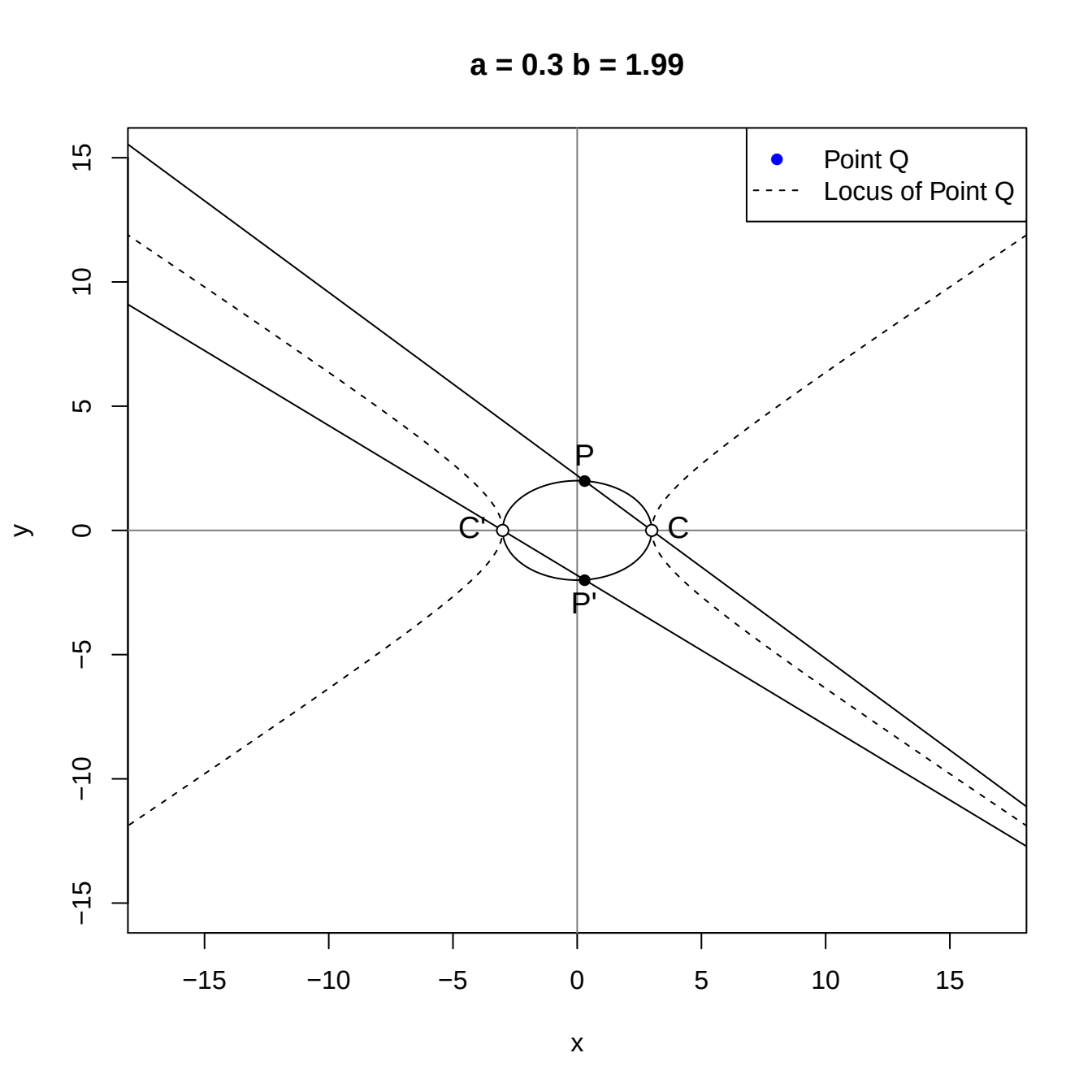

a = 0.05 b = 2
Point Q
Locus of Point Q
P
P'
C
C'
x
y
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

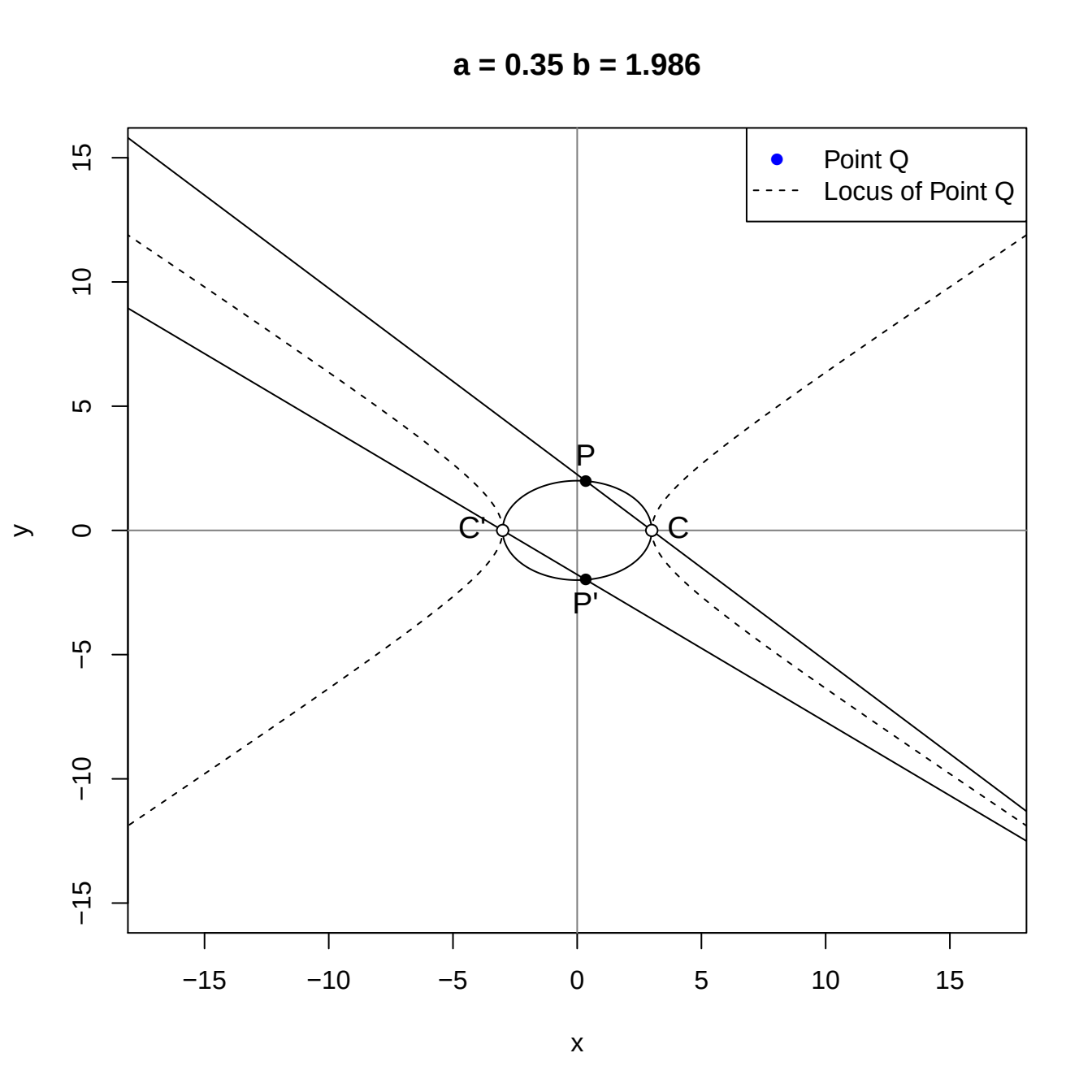

a = 0.1 b = 1.999
Point Q
Locus of Point Q
P
P'
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

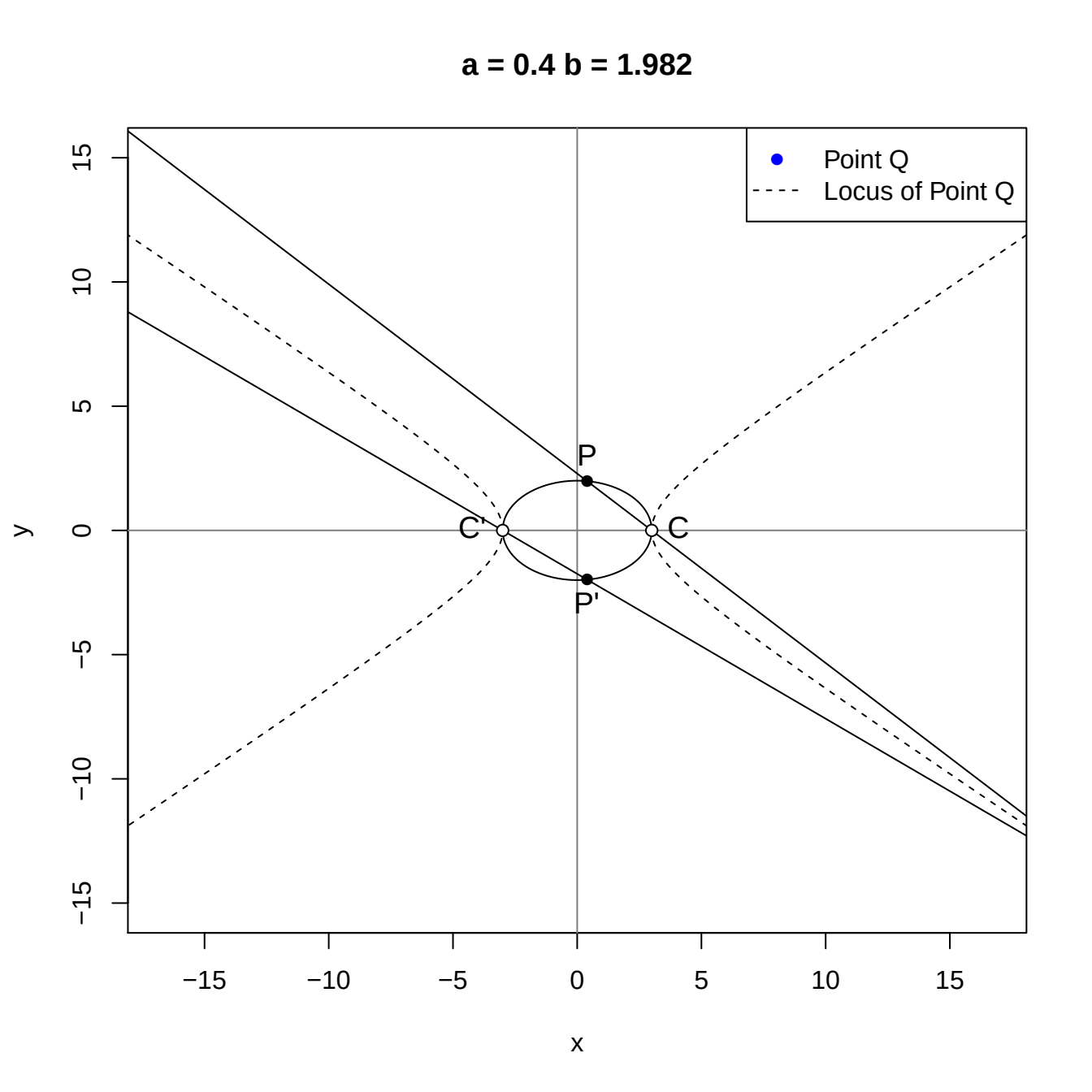

a = 0.15 b = 1.997
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

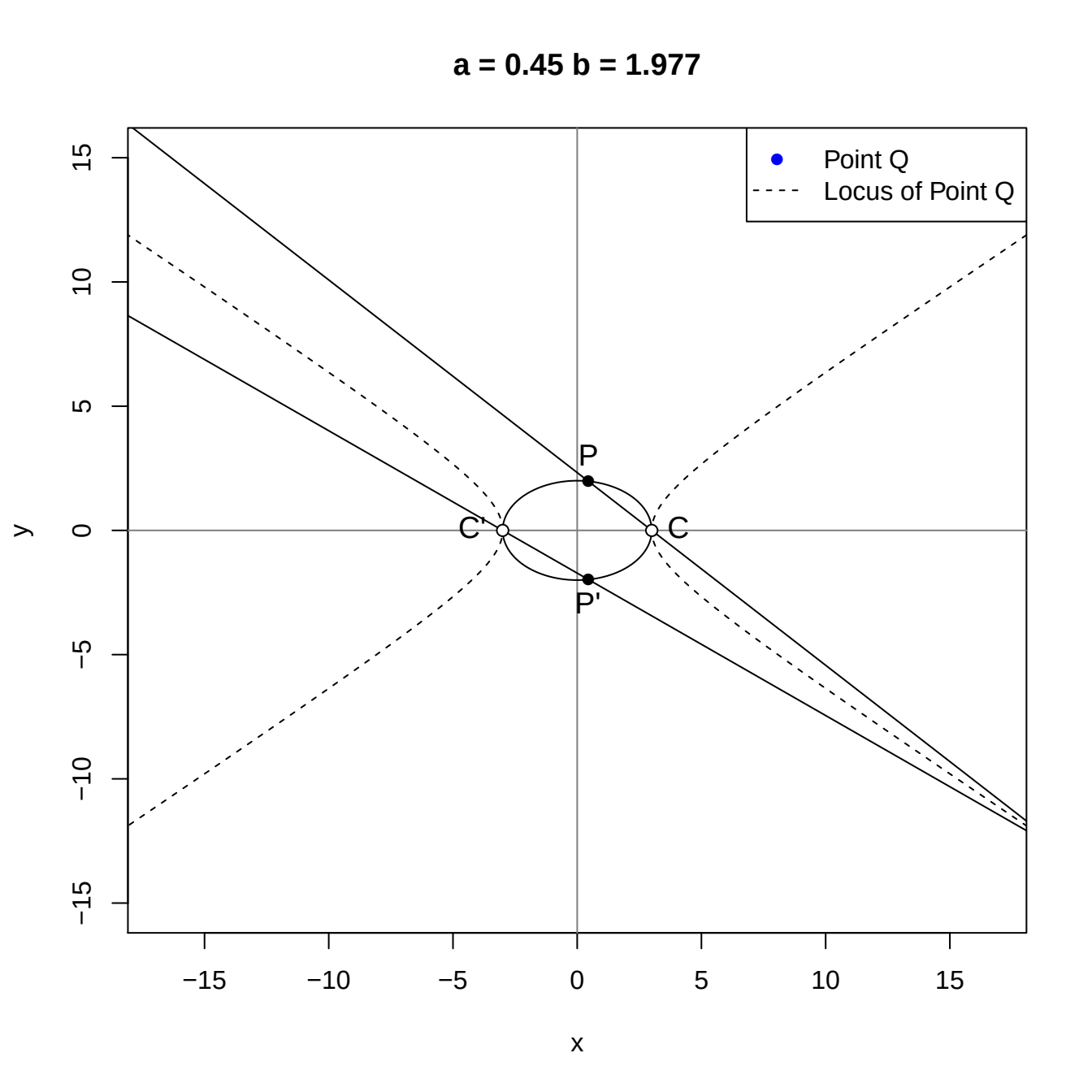

a = 0.2 b = 1.996
Point Q
Locus of Point Q
P
P'
C
C'
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

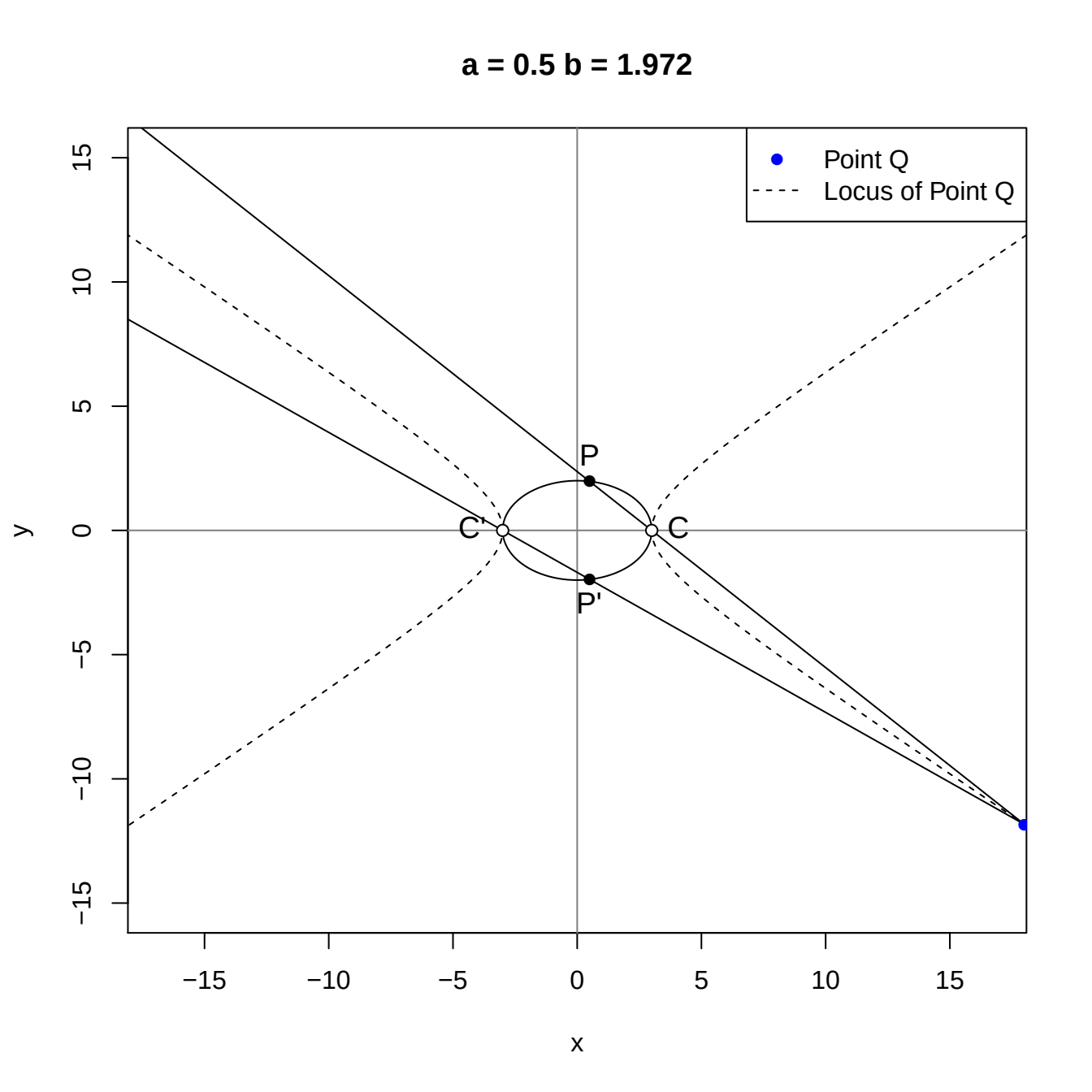

a = 0.25 b = 1.993
Point Q
Locus of Point Q
P
P'
C
C'
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

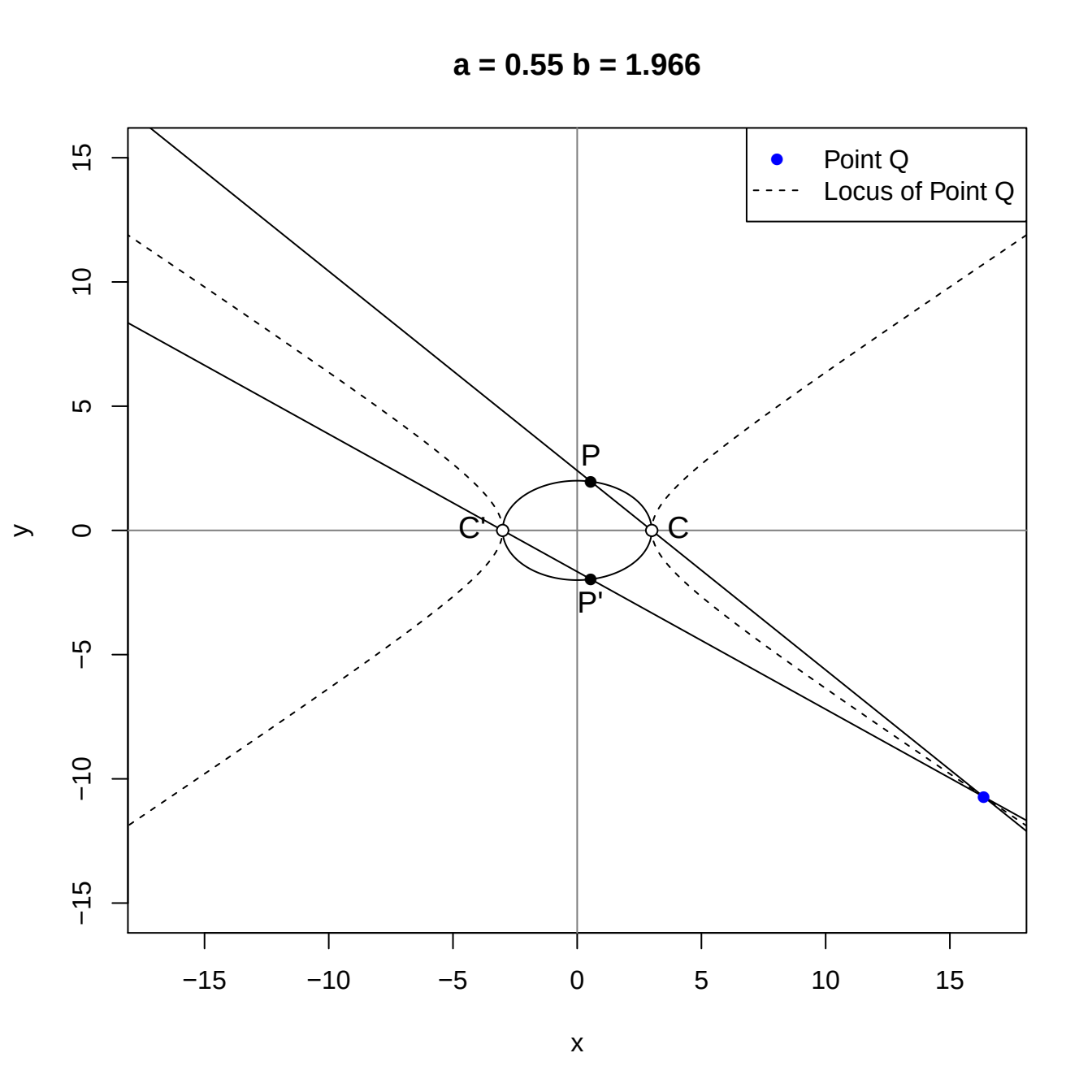

a = 0.3 b = 1.99
Point Q
Locus of Point Q
P
P'
C
C'
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

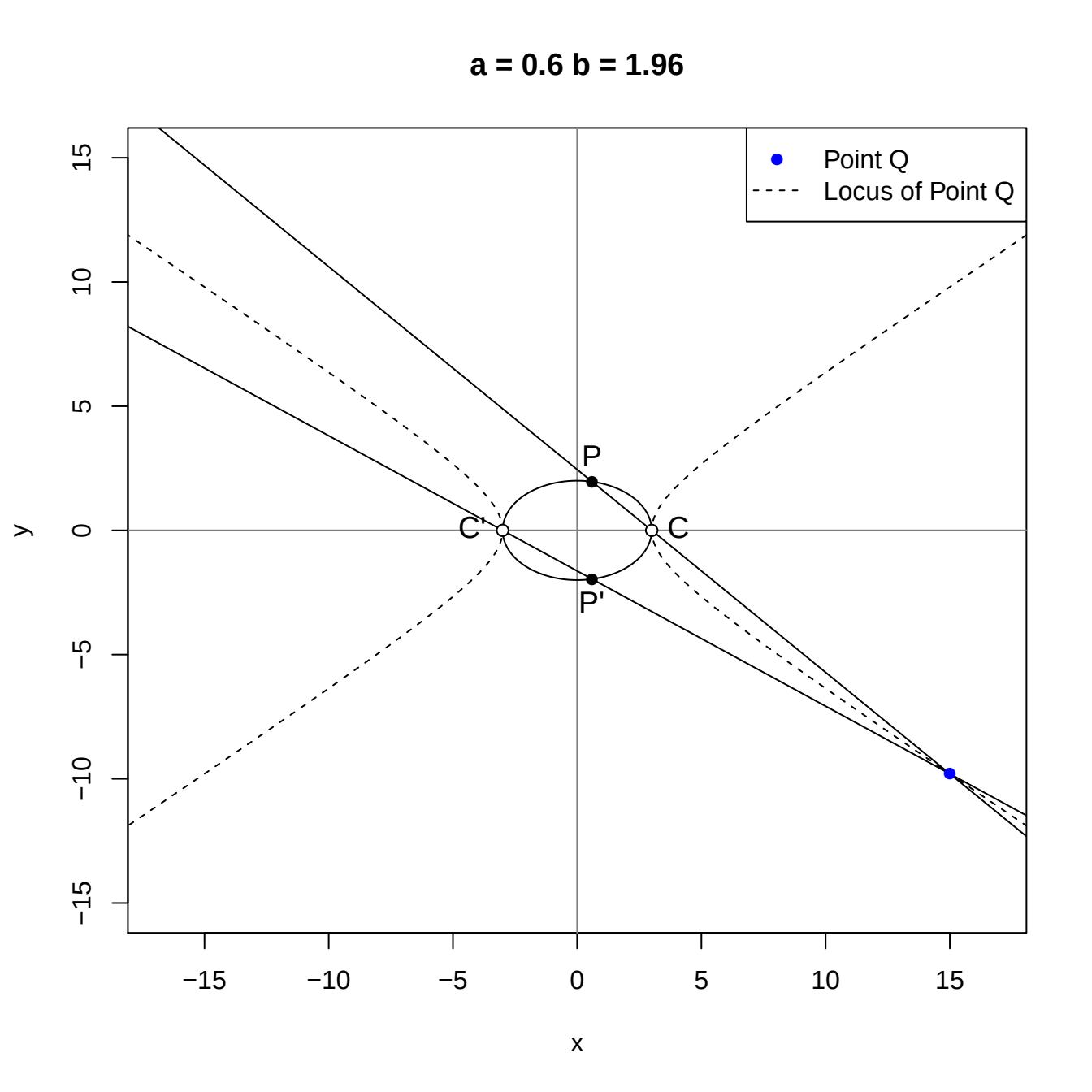

a = 0.35 b = 1.986
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

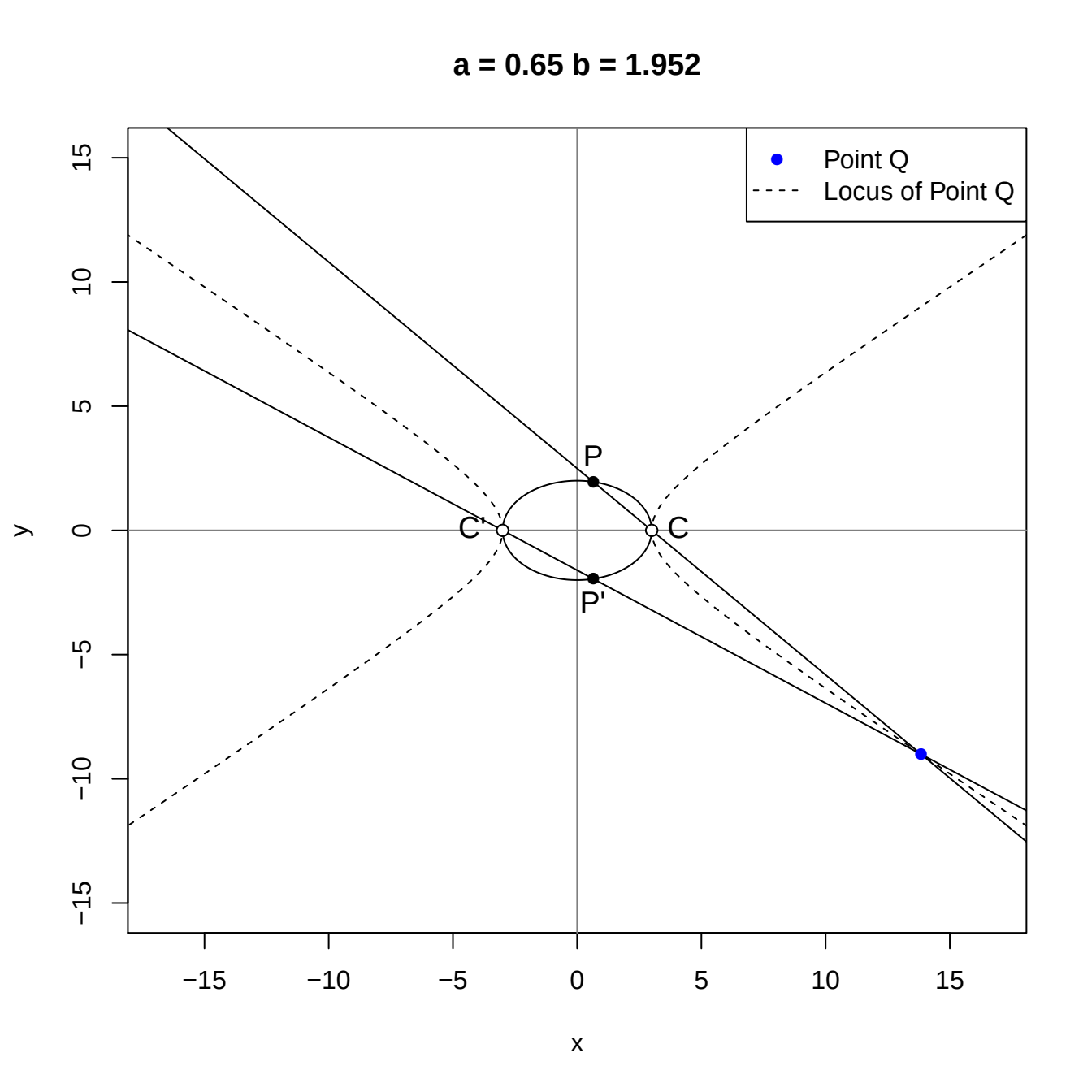

a = 0.4 b = 1.982
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

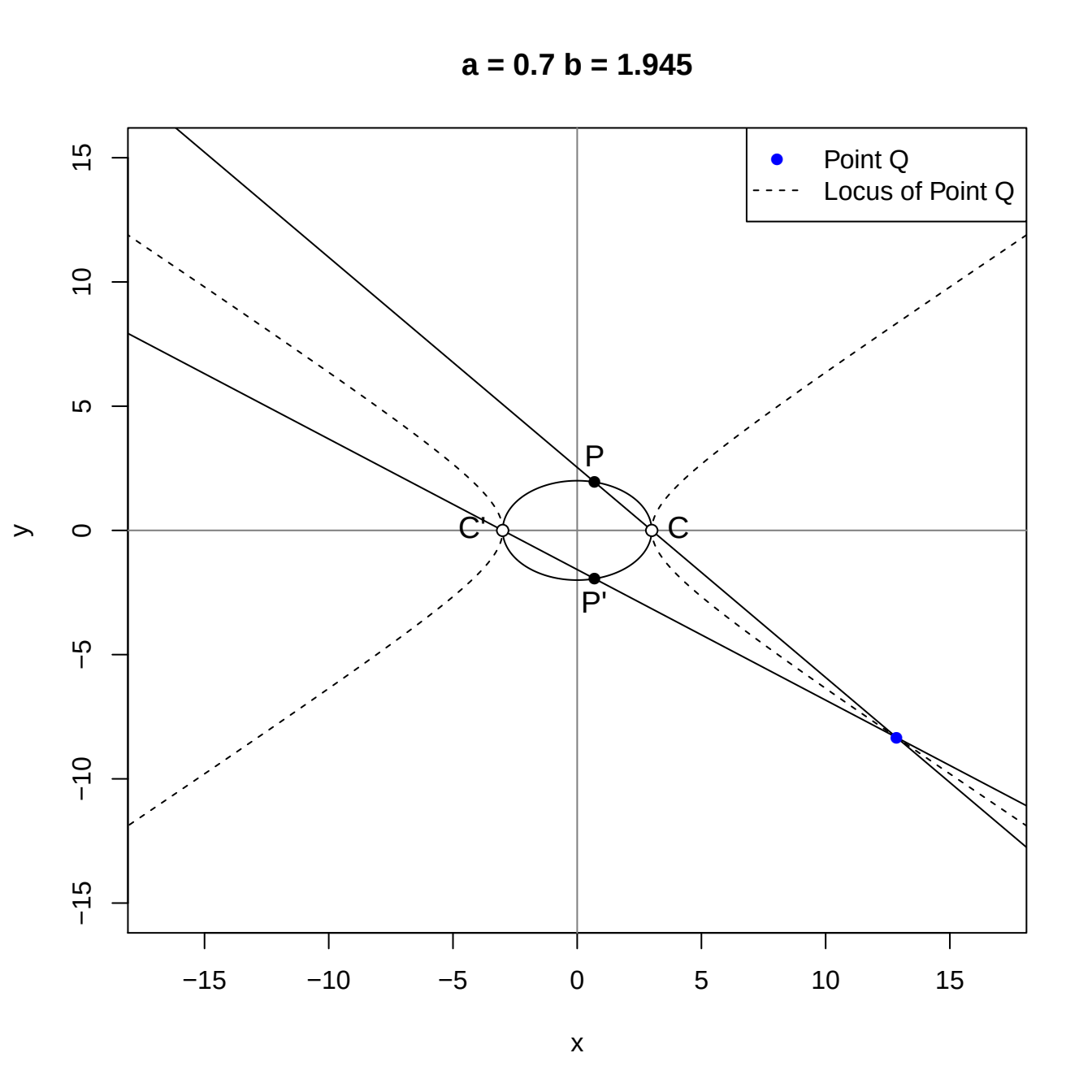

a = 0.45 b = 1.977
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

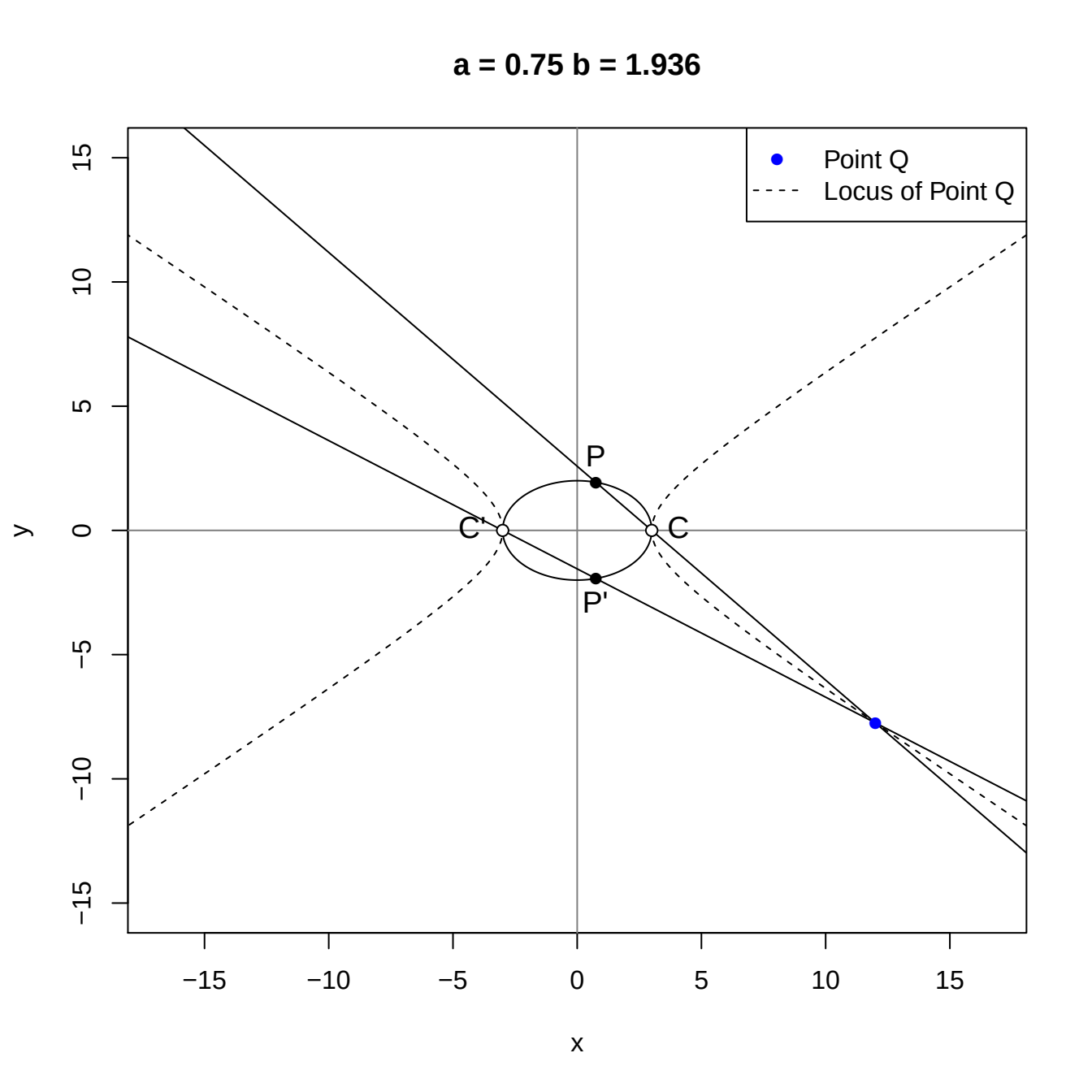

a = 0.5 b = 1.972
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15


a = 0.55 b = 1.966
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15


a = 0.6 b = 1.96
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15


a = 0.65 b = 1.952
Point Q
Locus of Point Q
P
P'
C
C'
x
y
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15


a = 0.7 b = 1.945
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15


a = 0.75 b = 1.936
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
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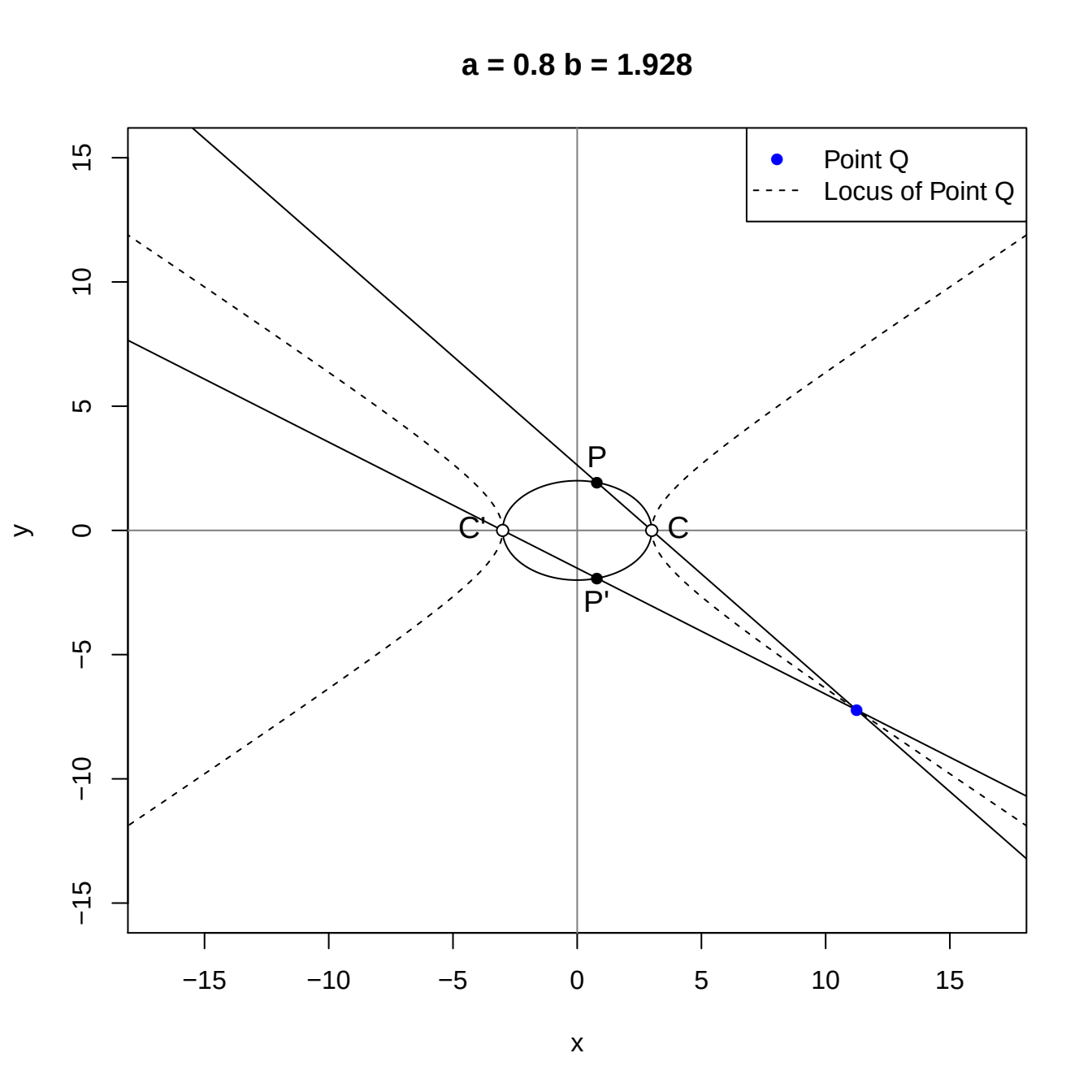
a = 0.8 b = 1.928
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
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10
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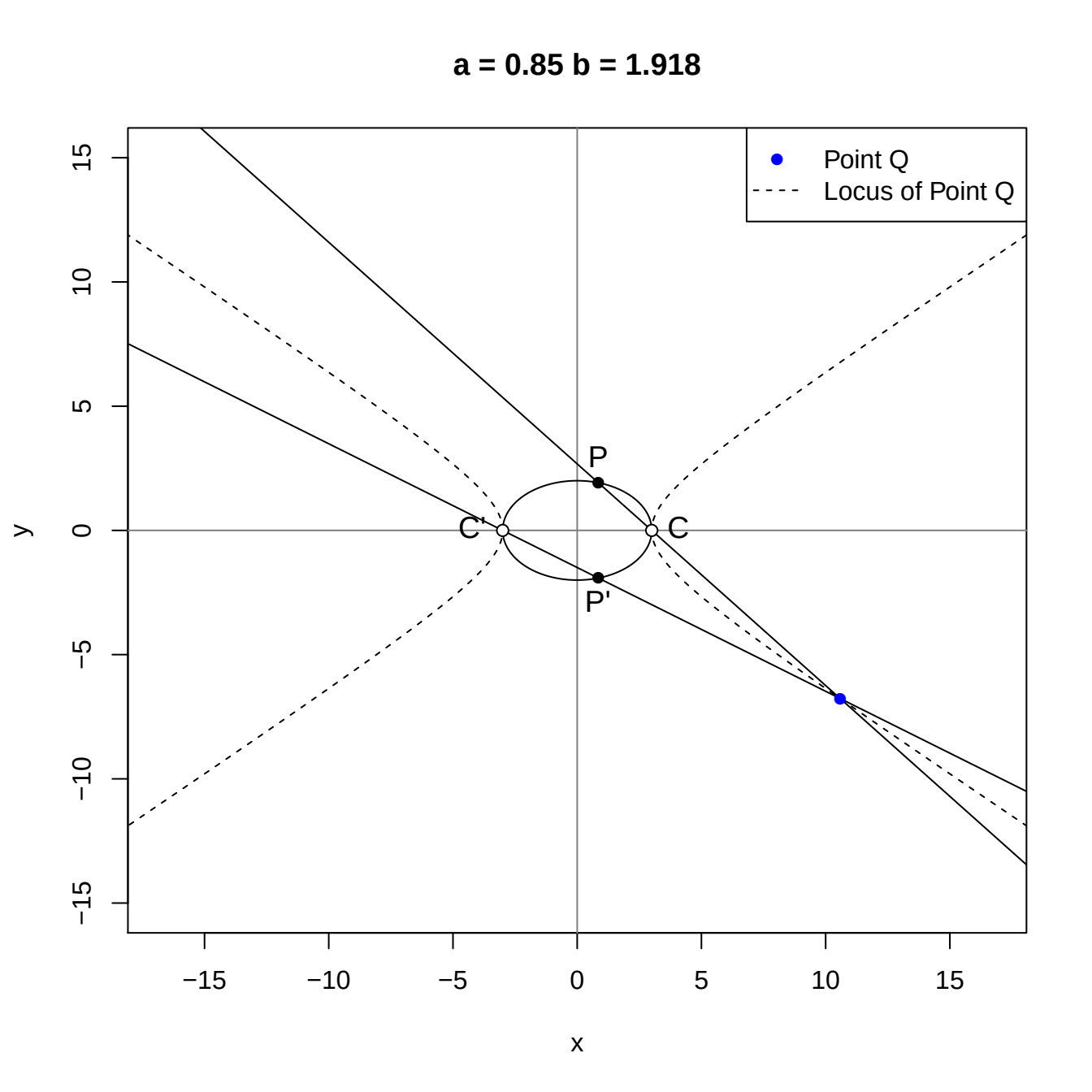
a = 0.85 b = 1.918
Point Q
Locus of Point Q
P
P'
C
C'
x
y
15
10
5
0
−5
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0
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10
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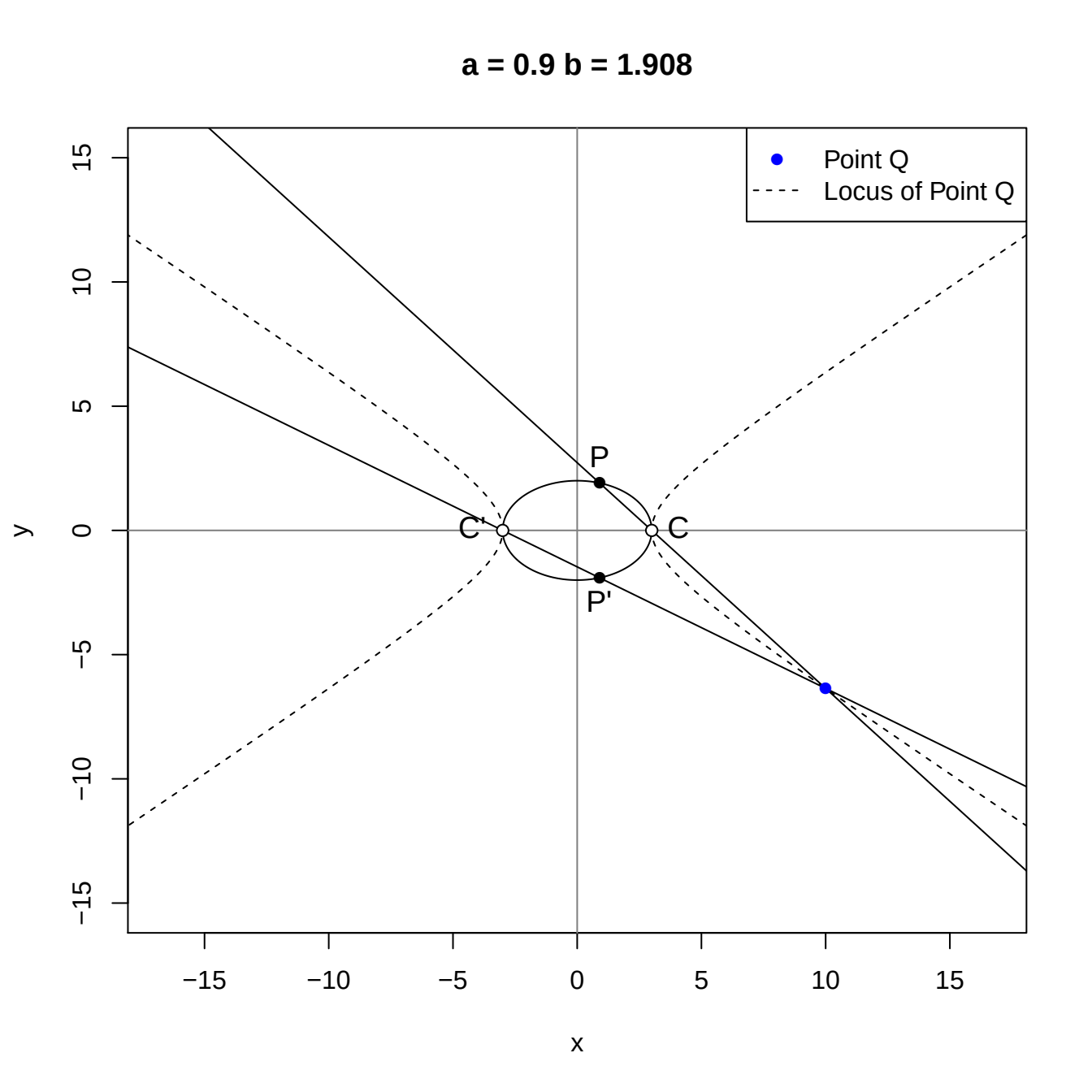
a = 0.9 b = 1.908
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
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10
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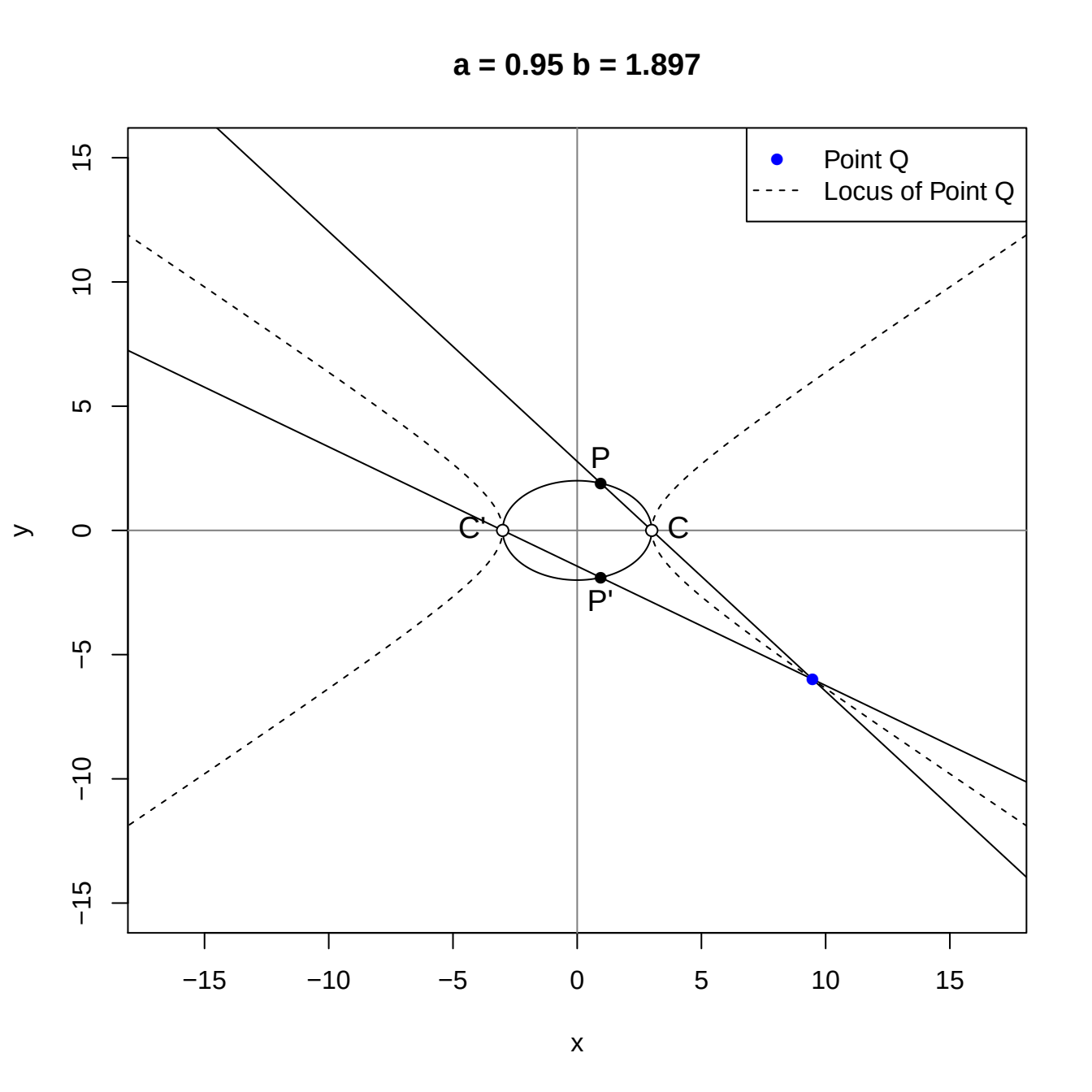
a = 0.95 b = 1.897
Point Q
Locus of Point Q
P
P'
C
C'
x
y
15
10
5
0
−5
−10
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−15
−10
−5
0
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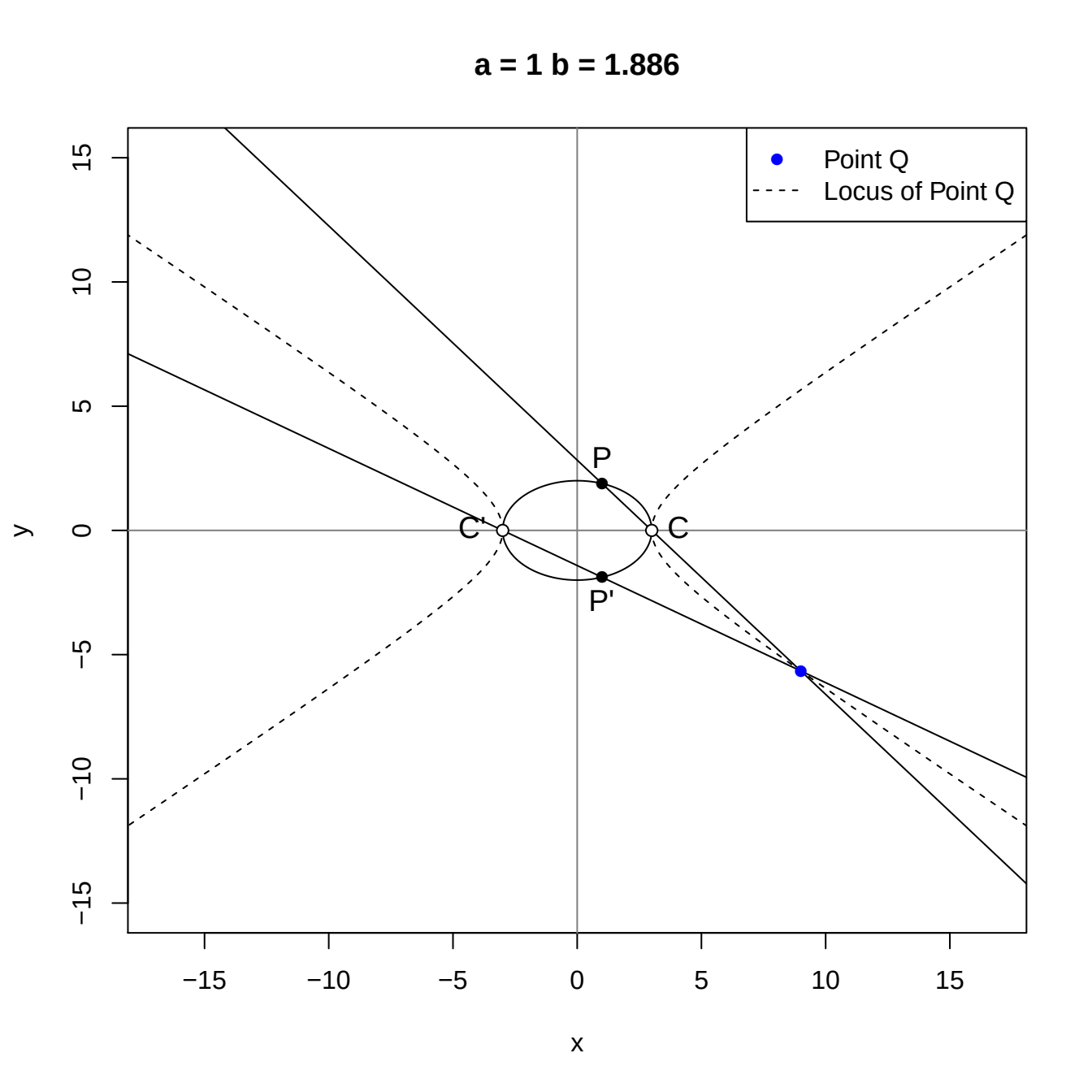
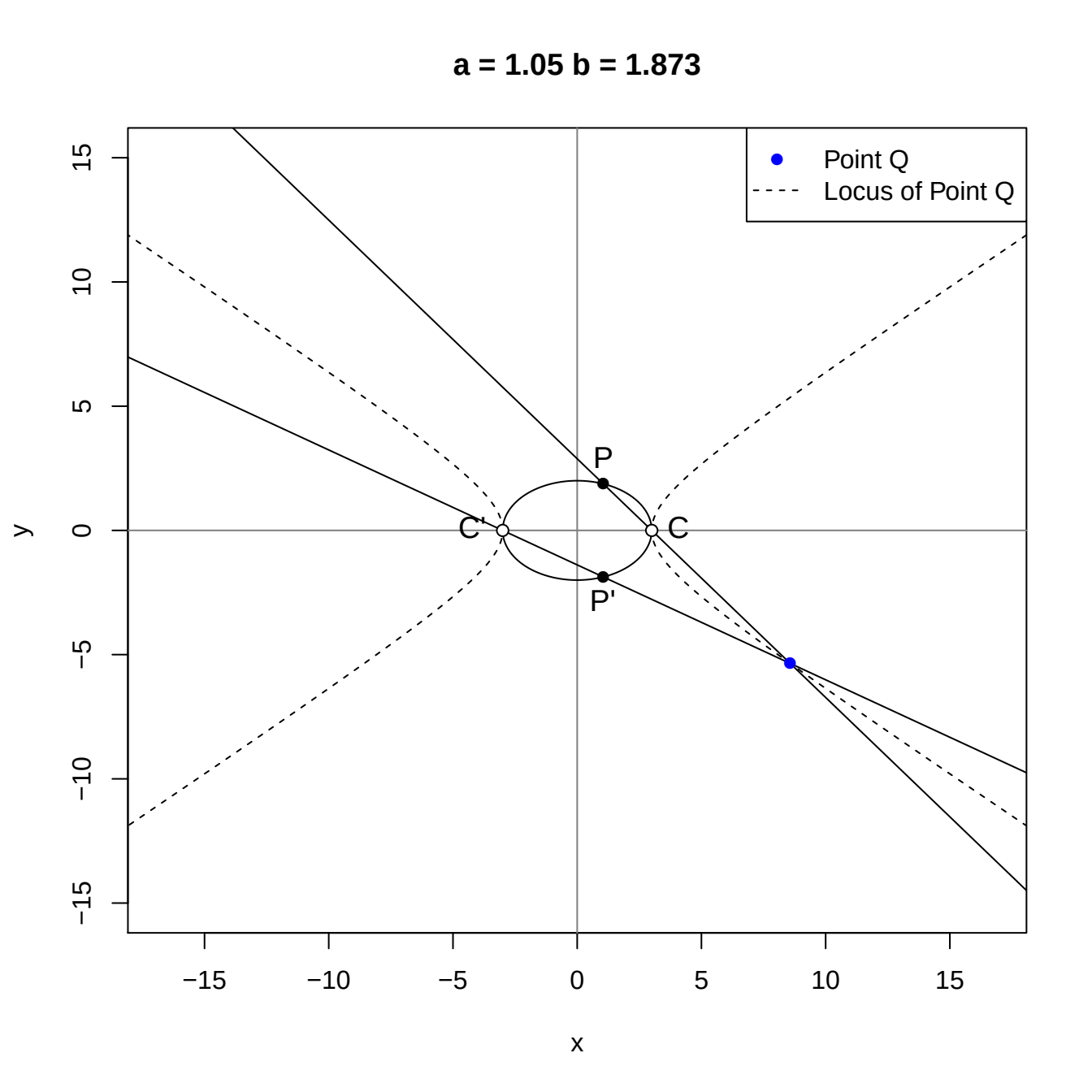
10
15


a = 1 b = 1.886
Point Q
Locus of Point Q
P
P'
C
C'
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15


a = 1.05 b = 1.873
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
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10
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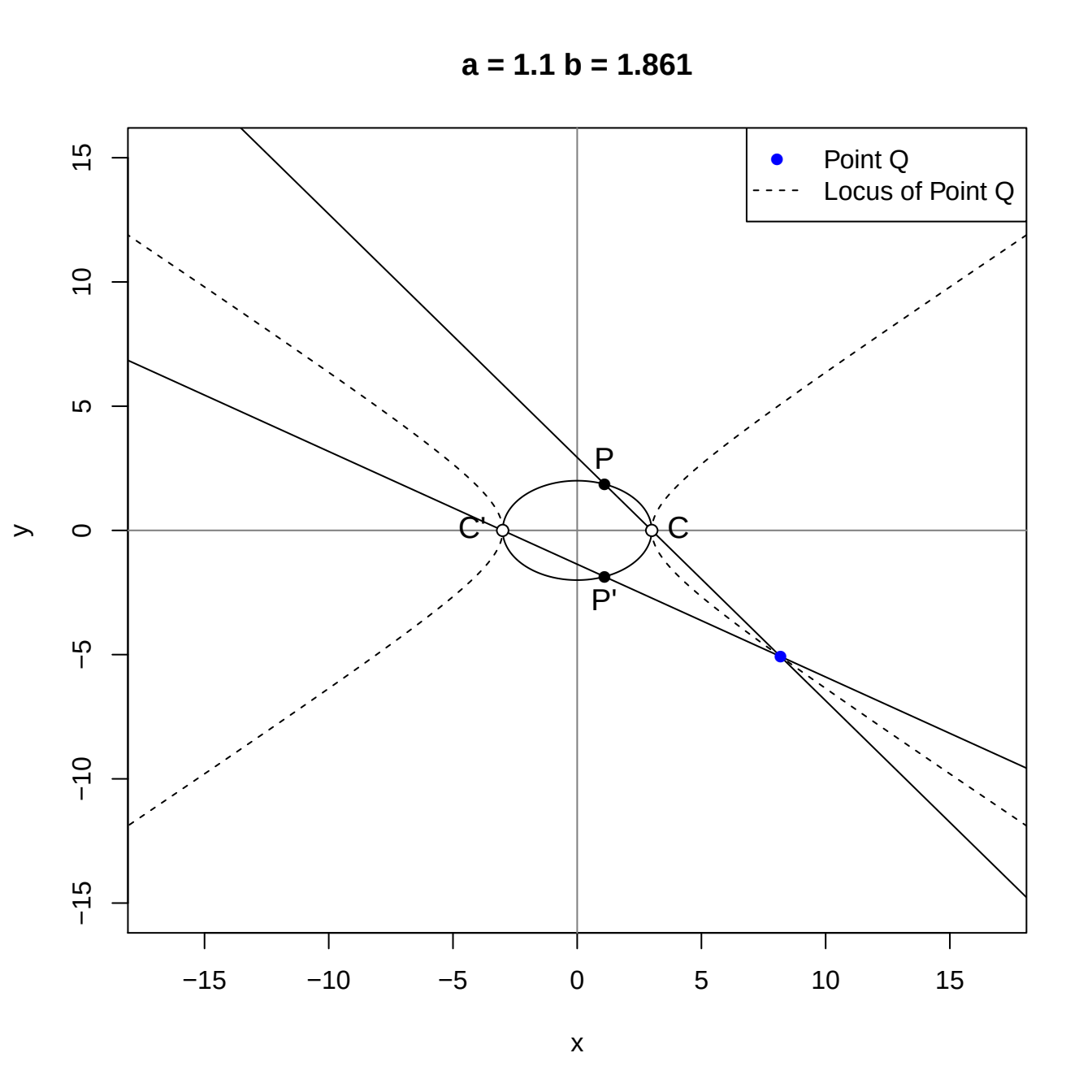
a = 1.1 b = 1.861
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
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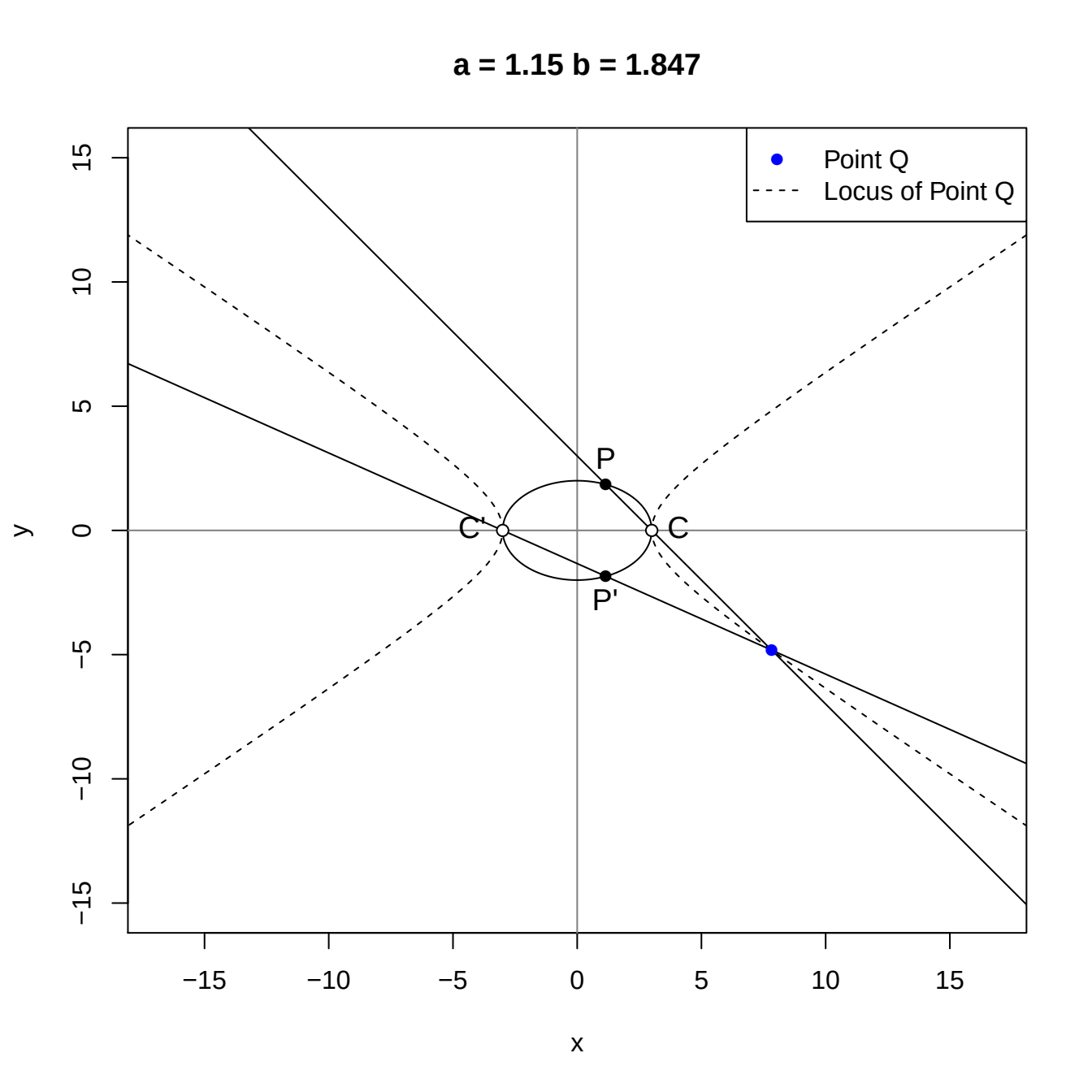
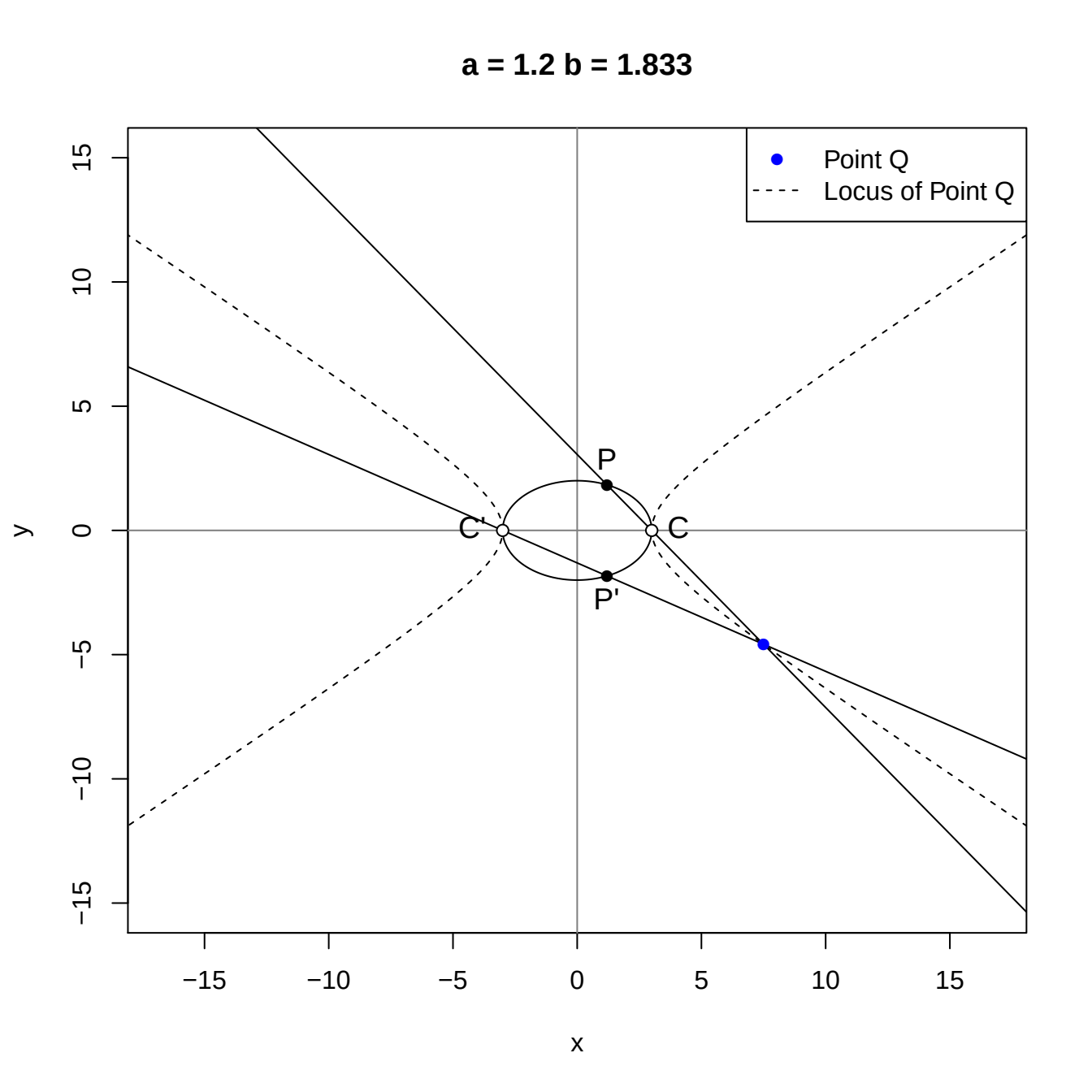
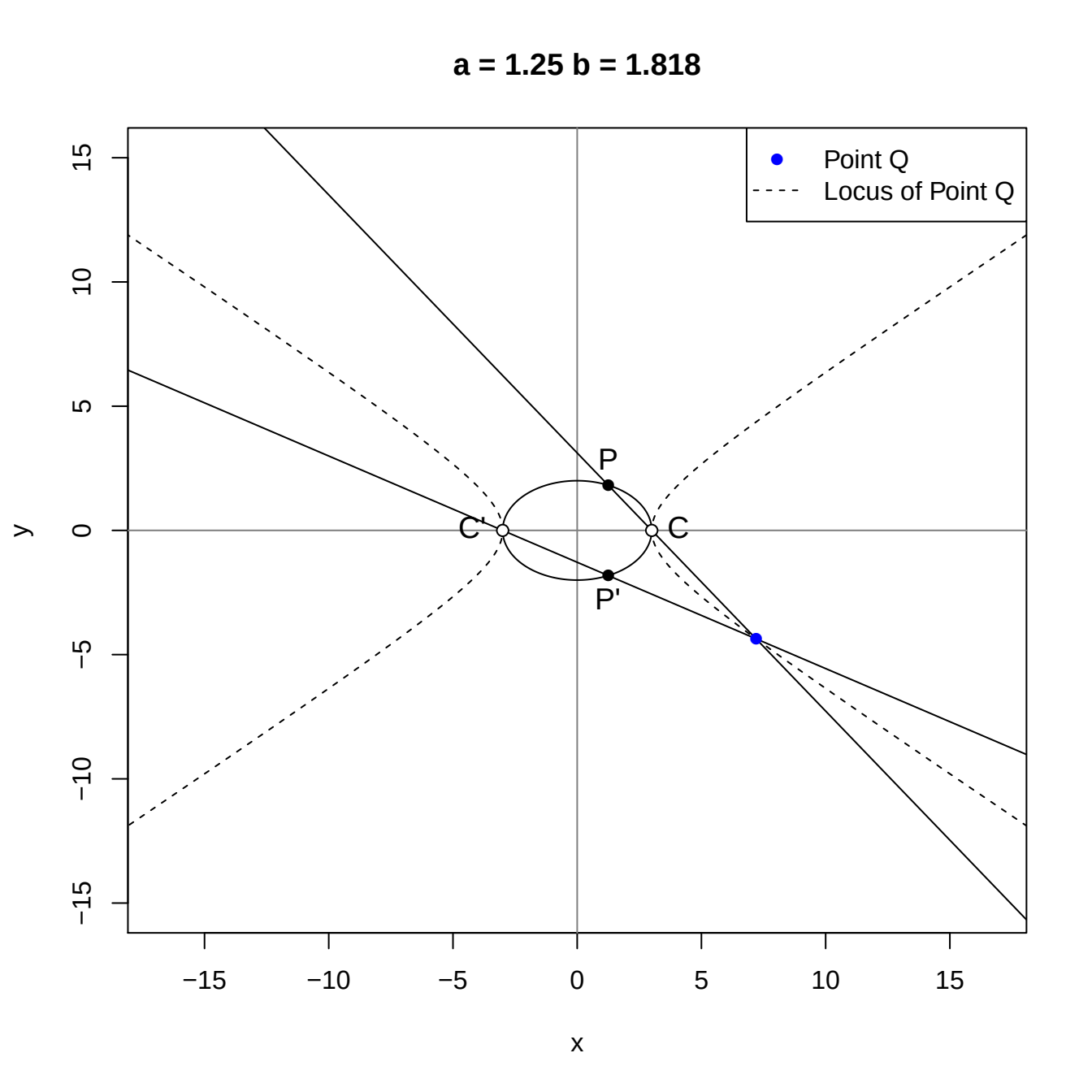
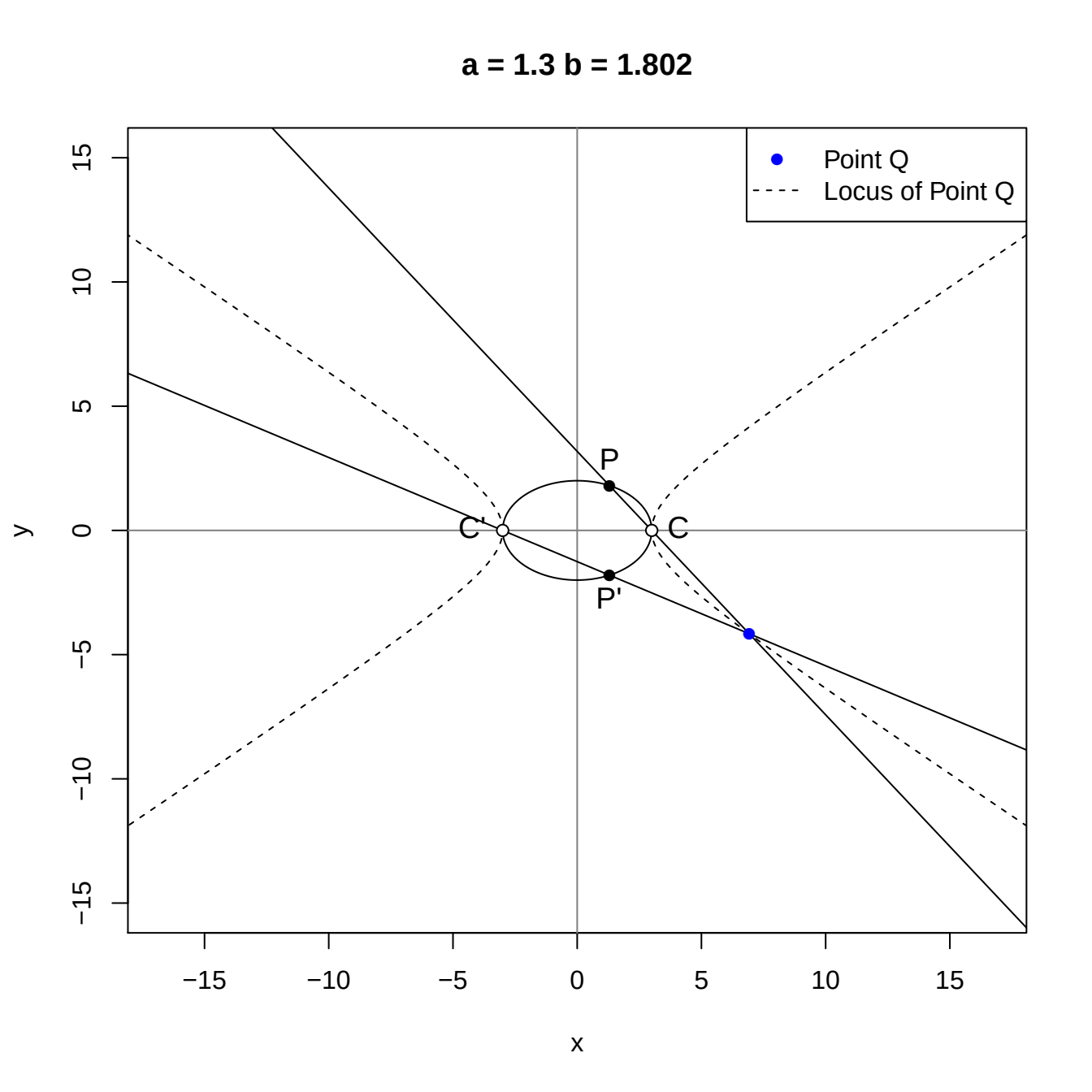
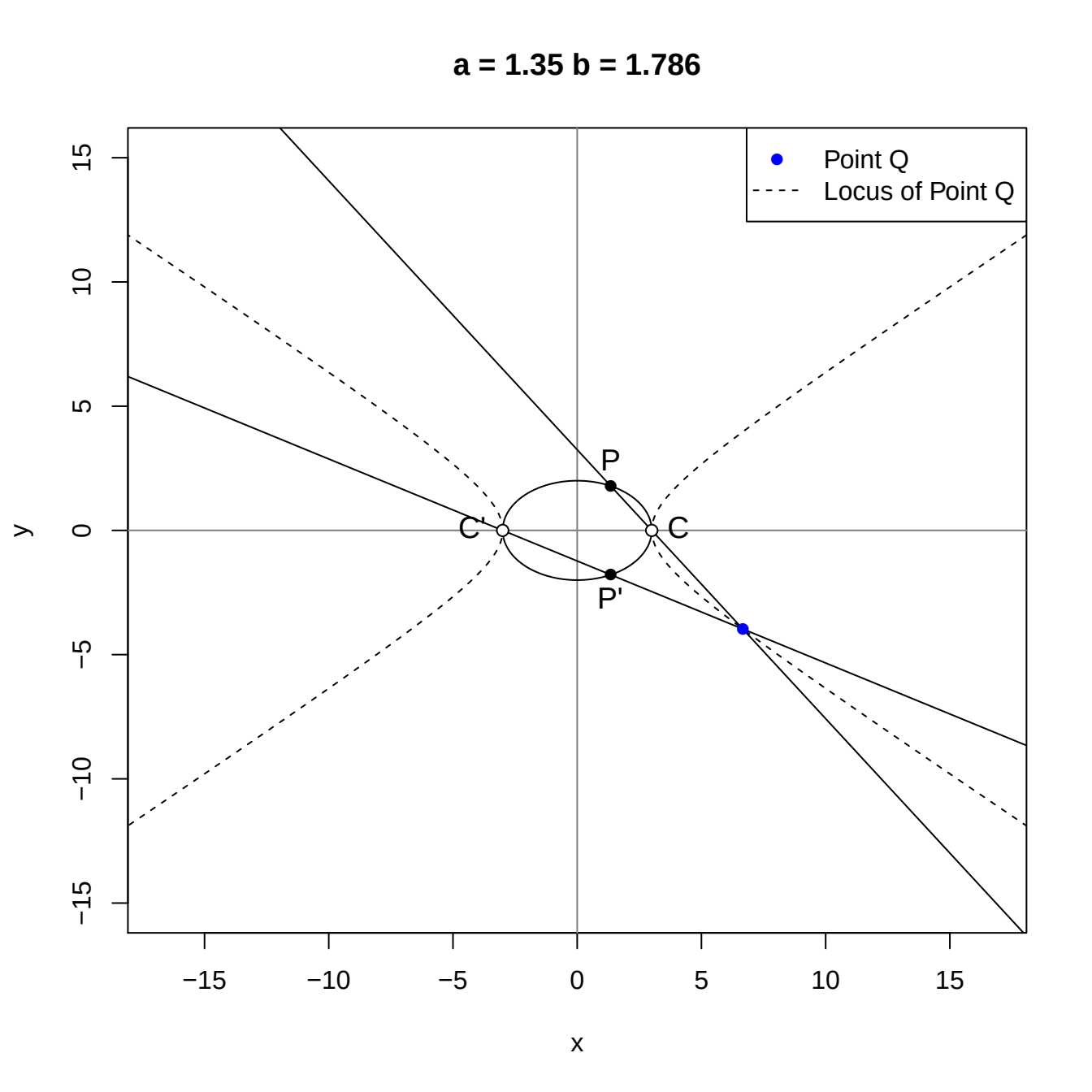
10
15

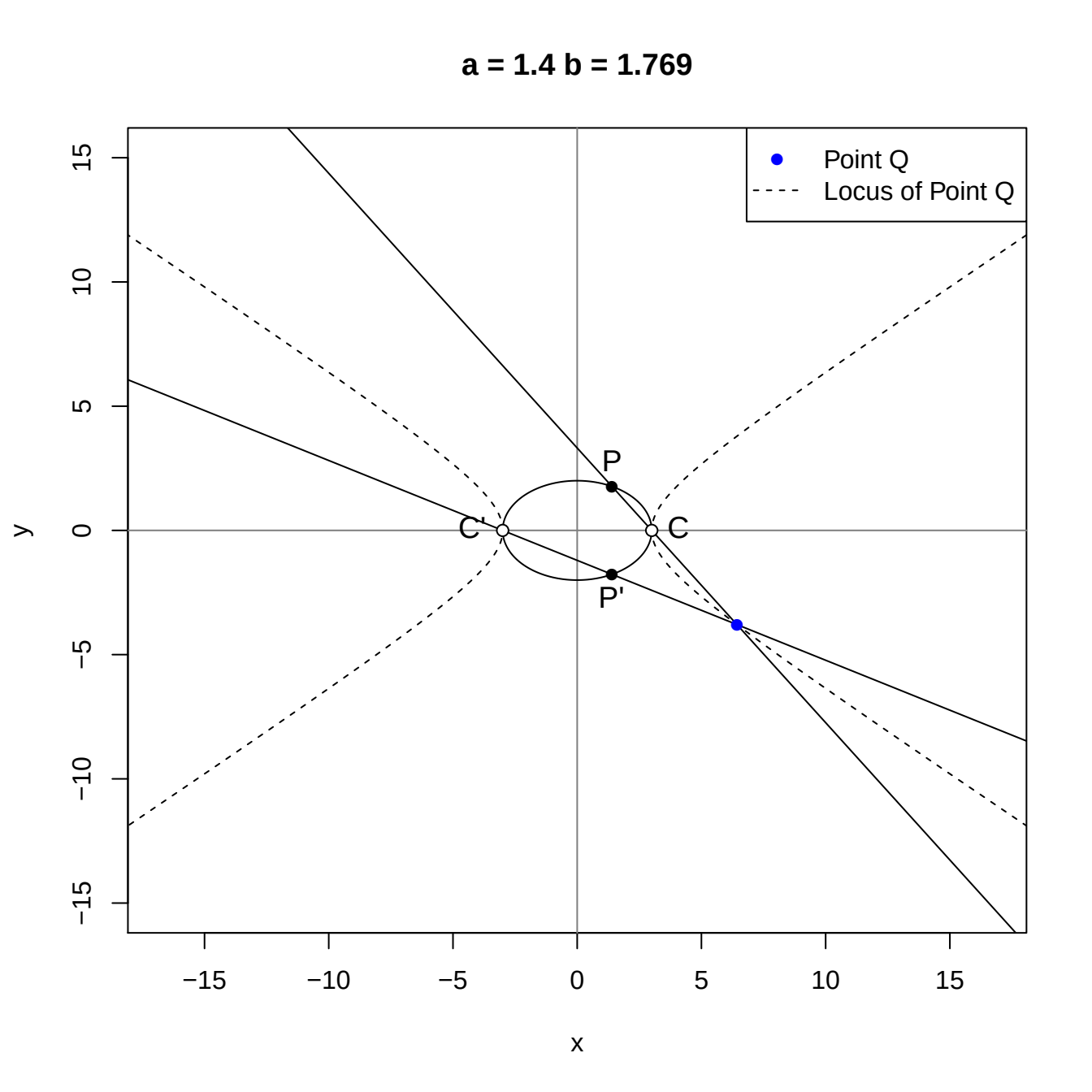

a = 1.15 b = 1.847
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

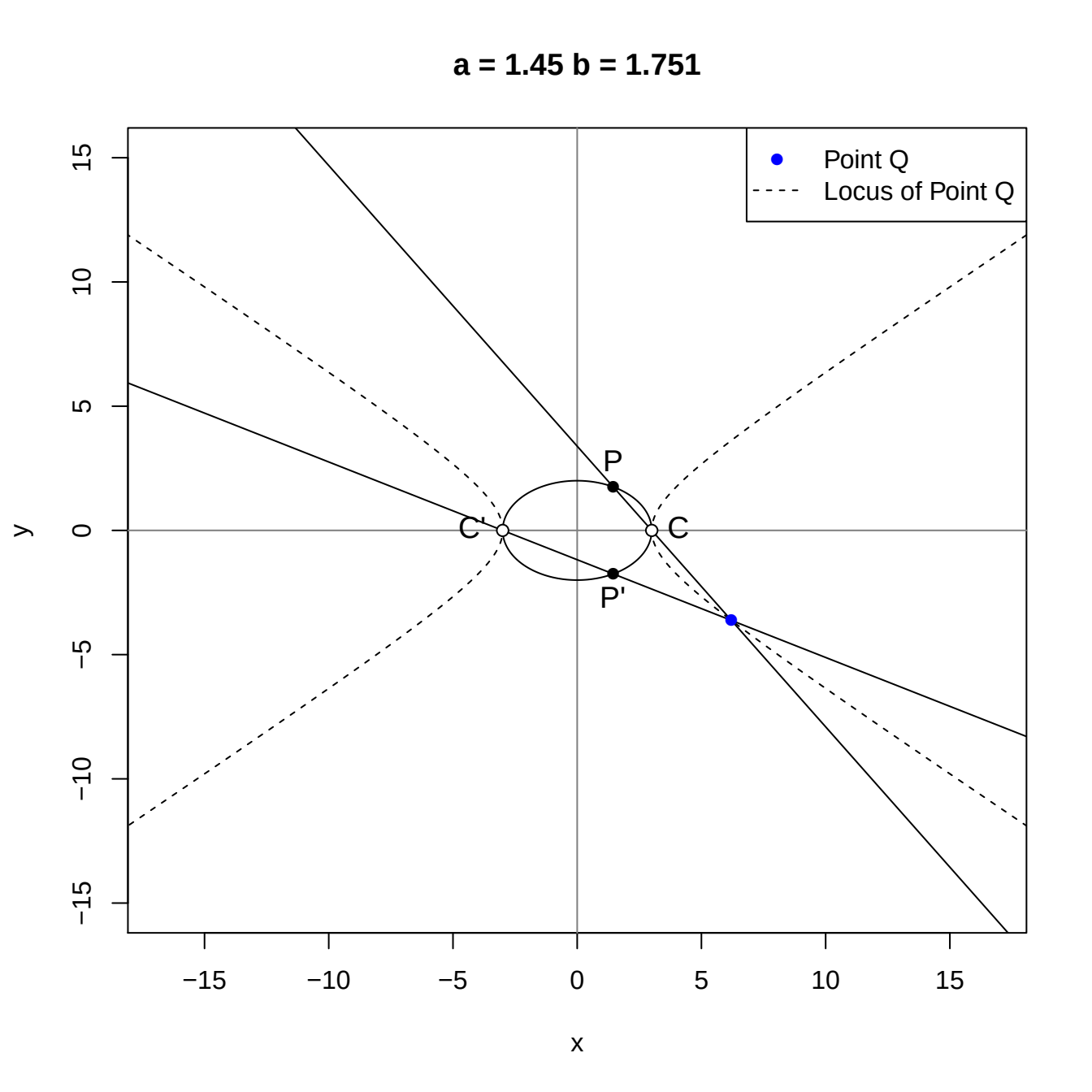

a = 1.2 b = 1.833
Point Q
Locus of Point Q
P
P'
C
C'
x
y
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

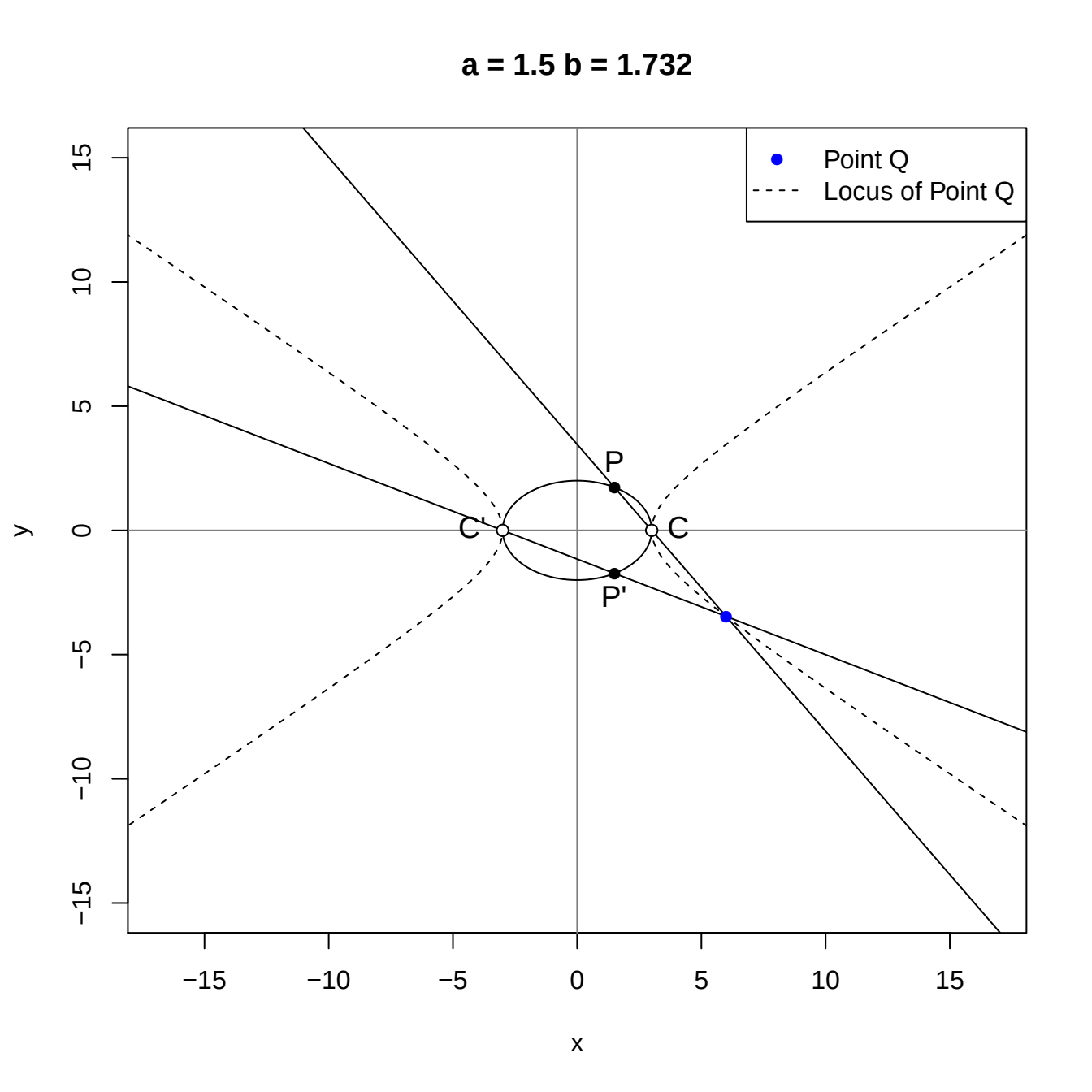

a = 1.25 b = 1.818
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

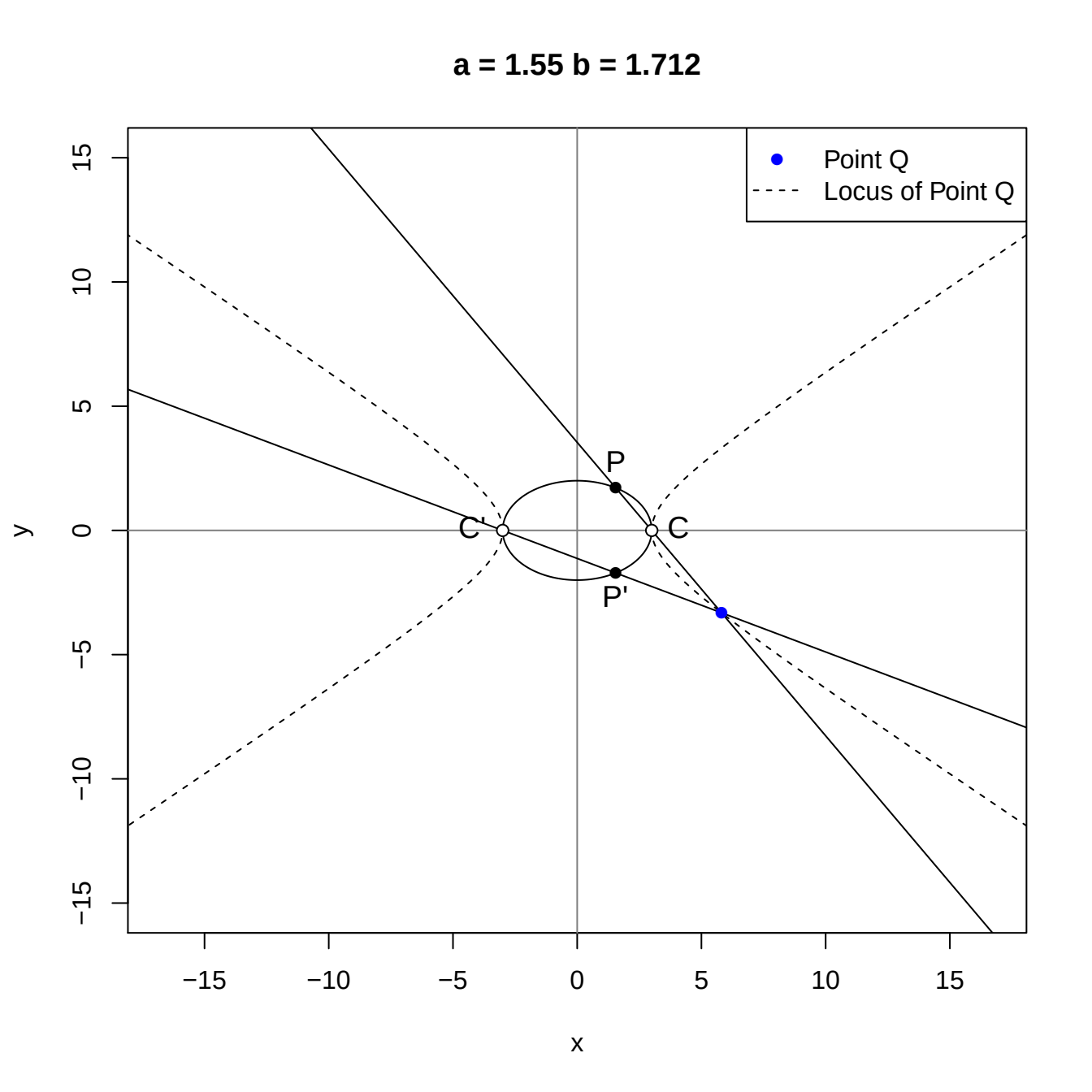

a = 1.3 b = 1.802
Point Q
Locus of Point Q
P
P'
C
C'
x
y
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

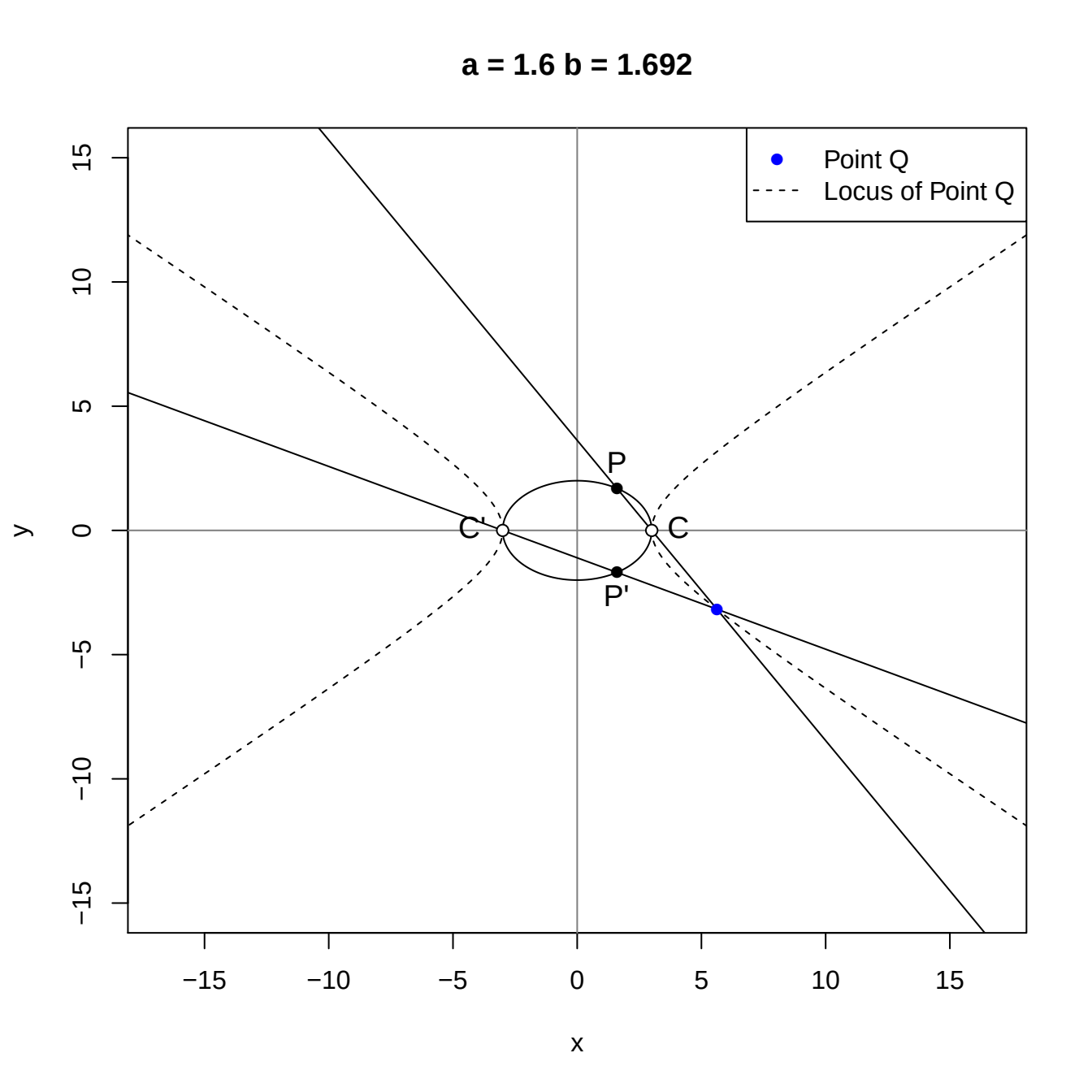

a = 1.35 b = 1.786
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

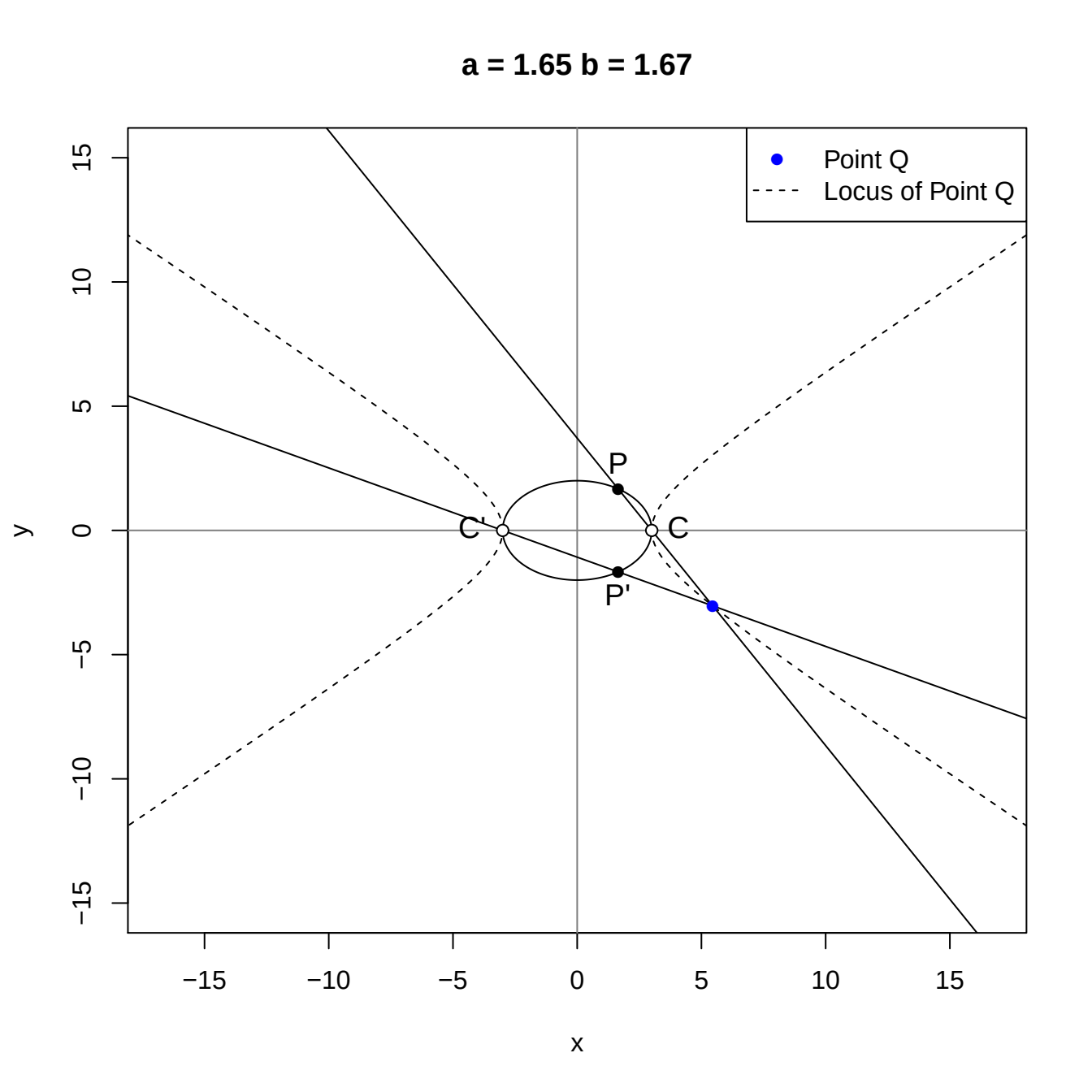

a = 1.4 b = 1.769
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

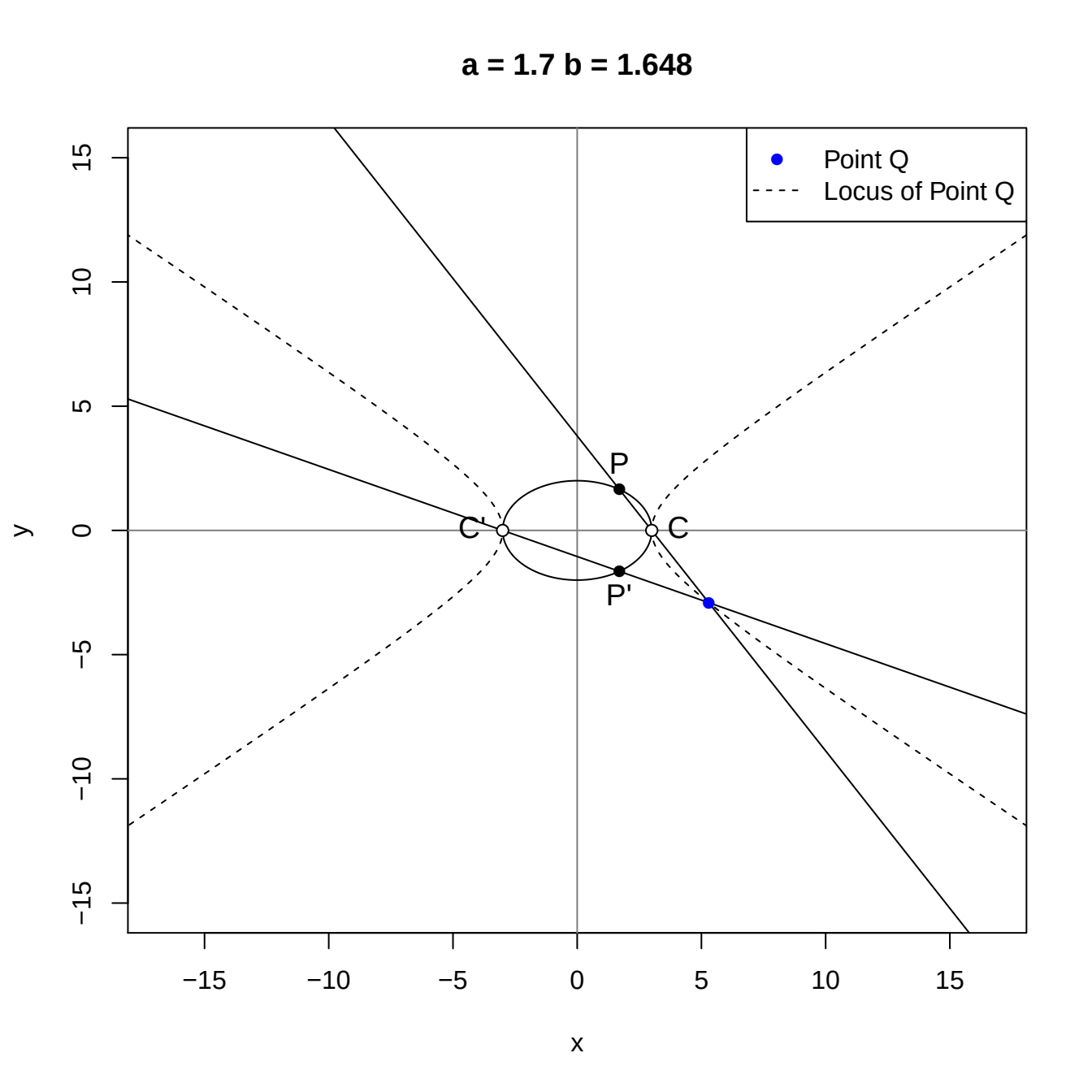

a = 1.45 b = 1.751
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

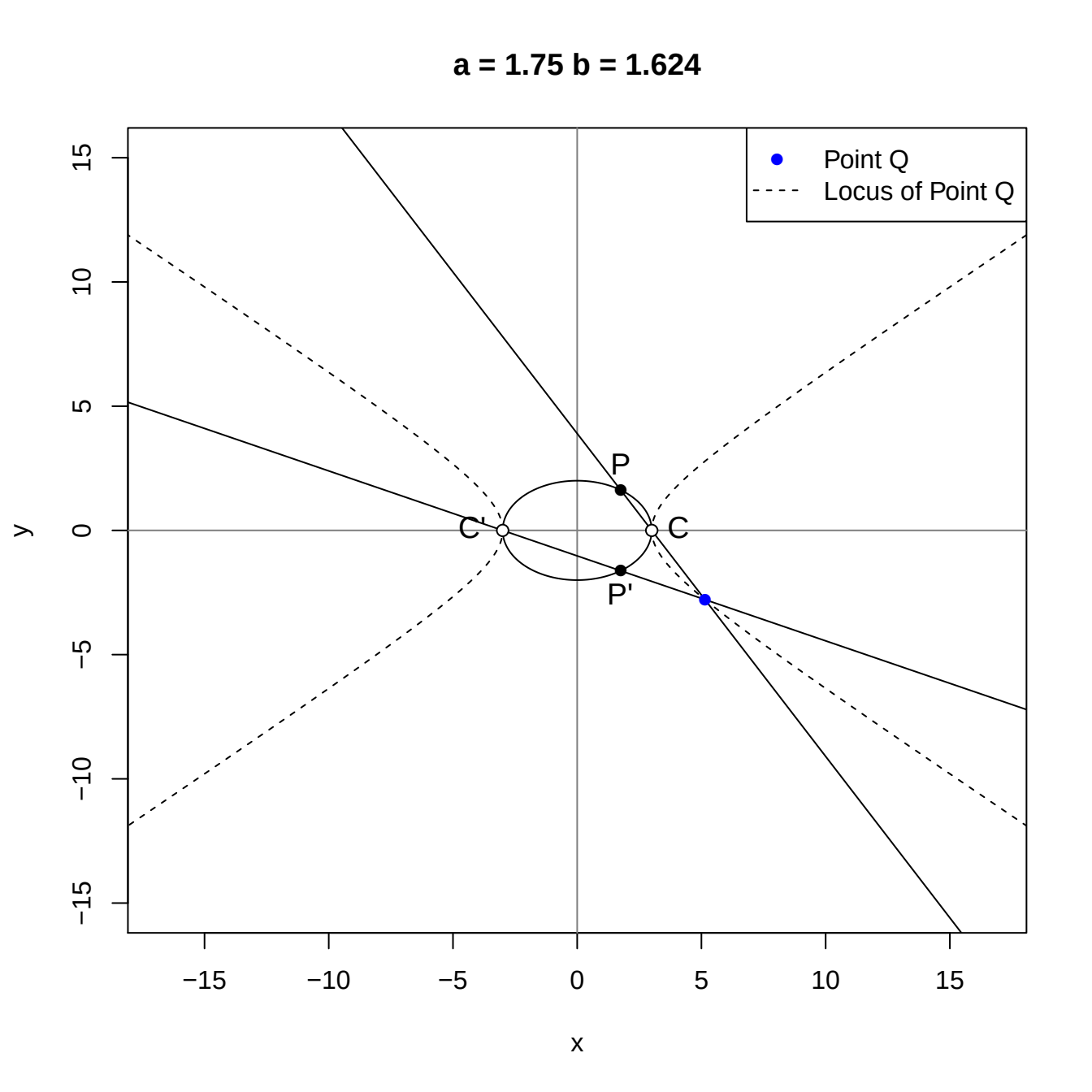

a = 1.5 b = 1.732
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

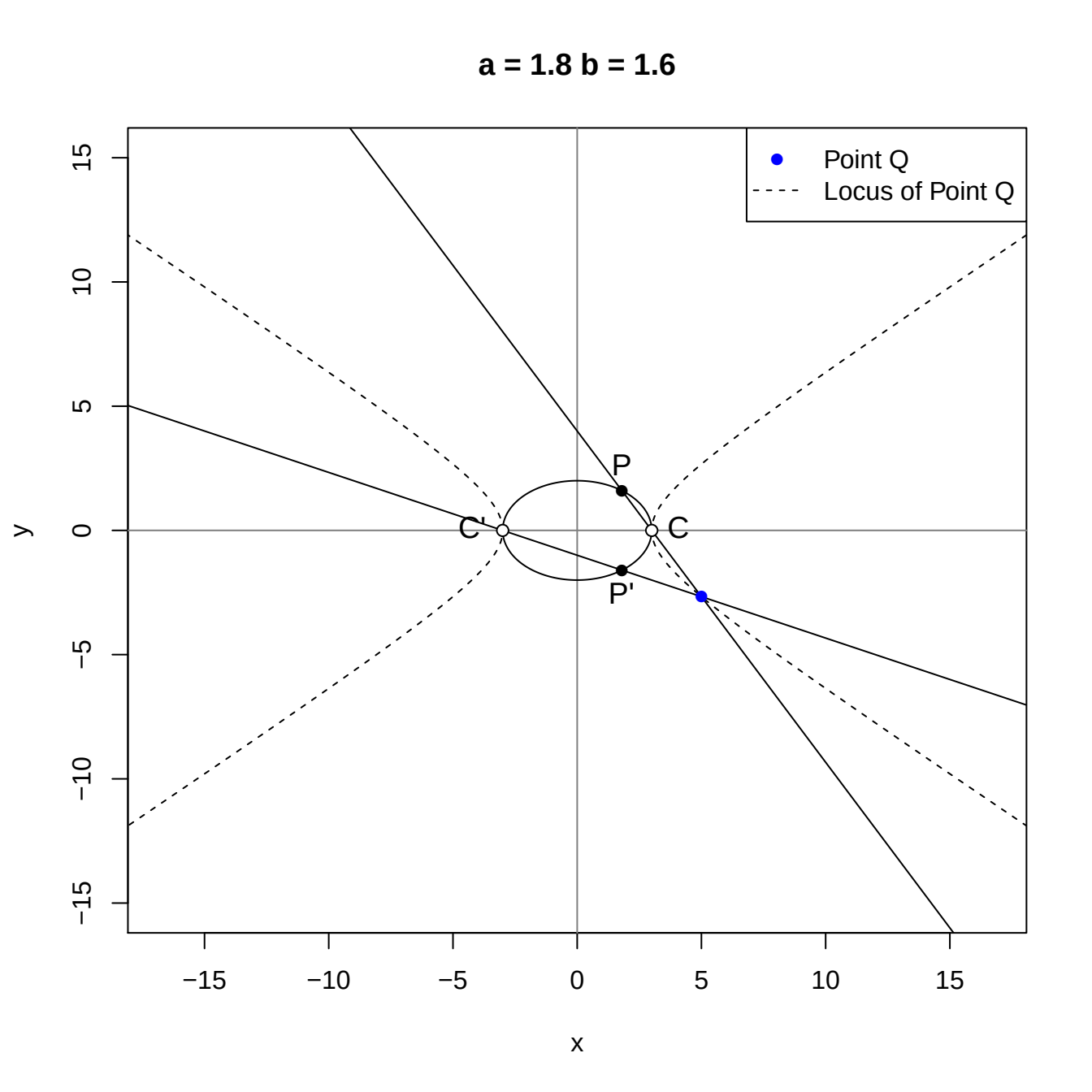

a = 1.55 b = 1.712
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

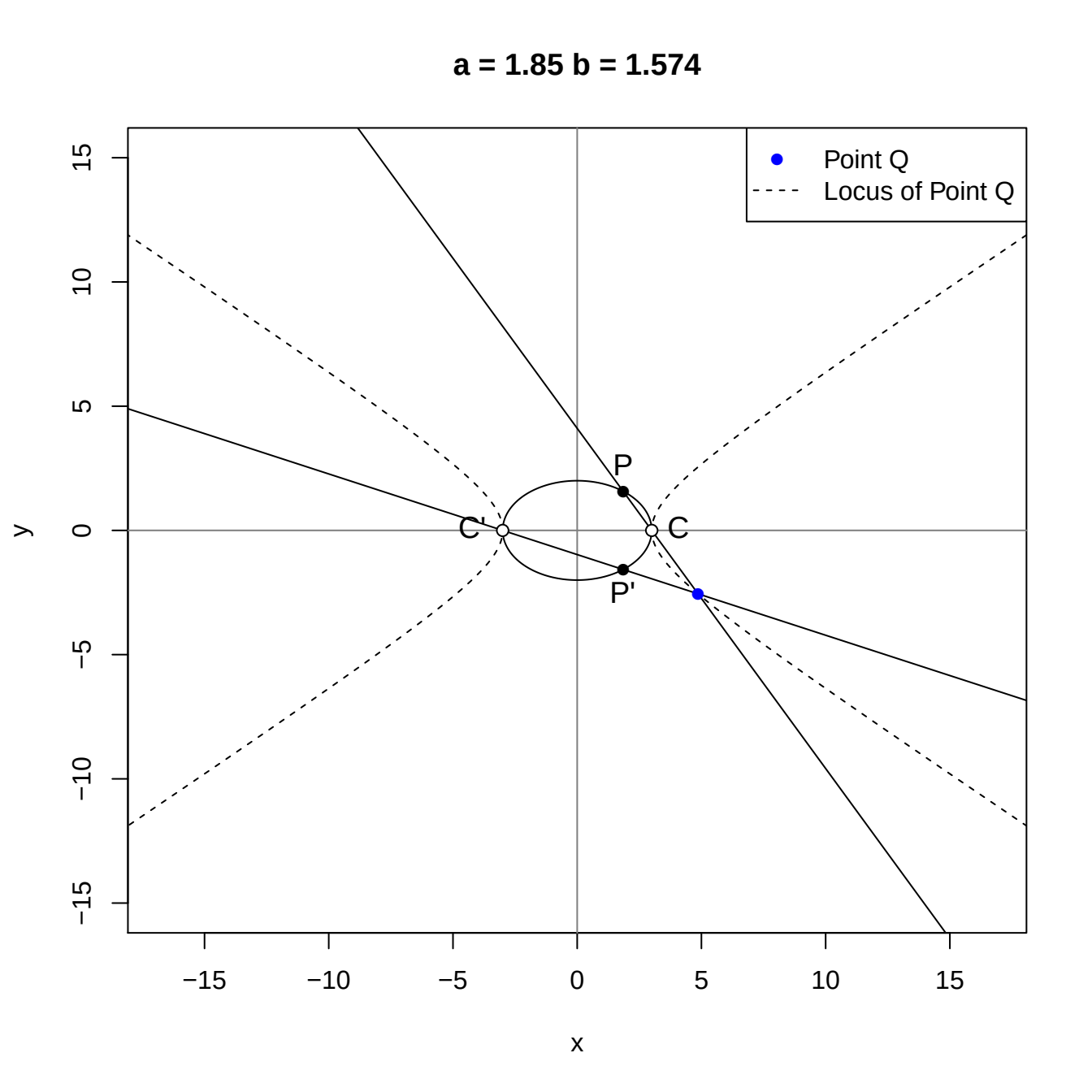

a = 1.6 b = 1.692
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

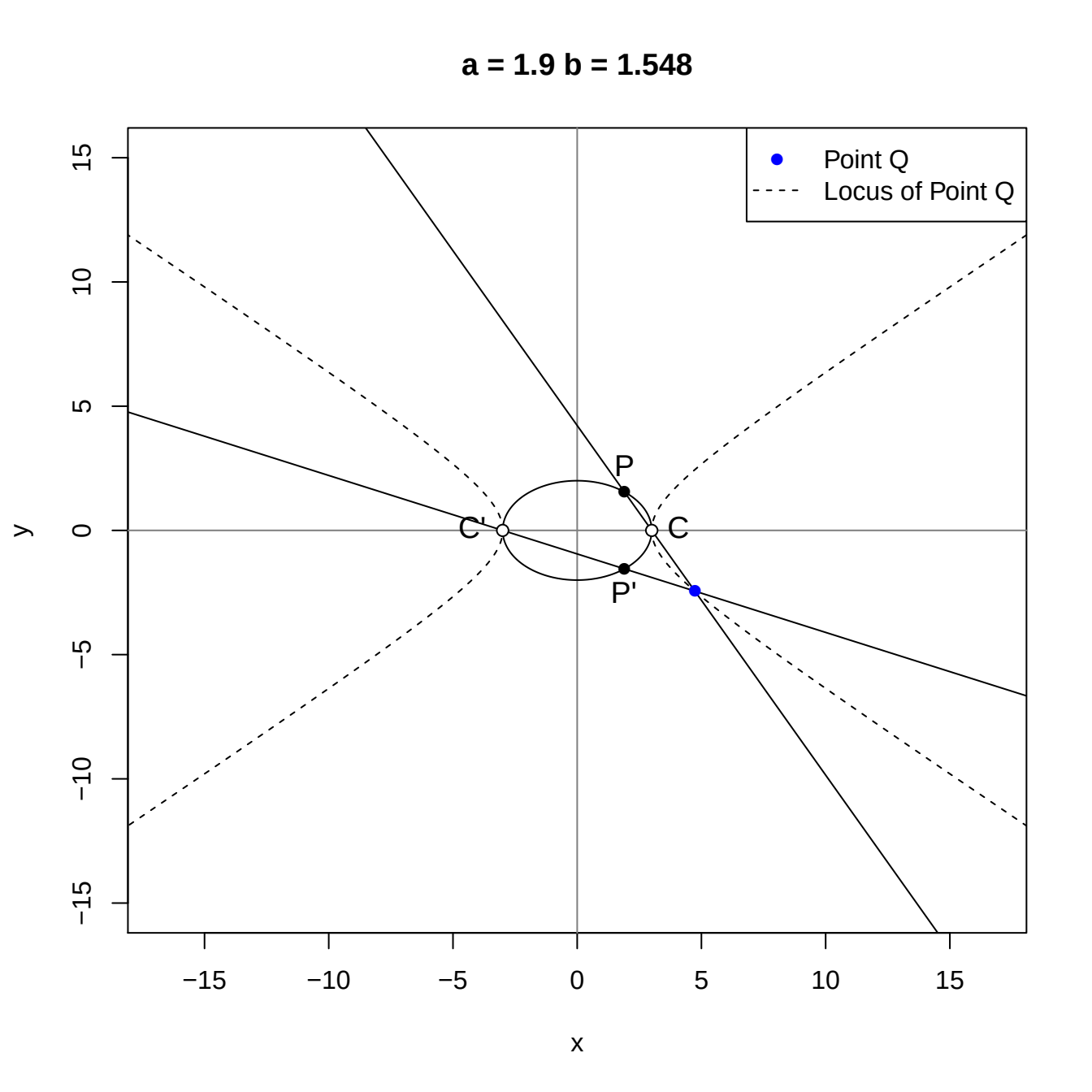

a = 1.65 b = 1.67
Point Q
Locus of Point Q
P
P'
C
C'
x
y
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

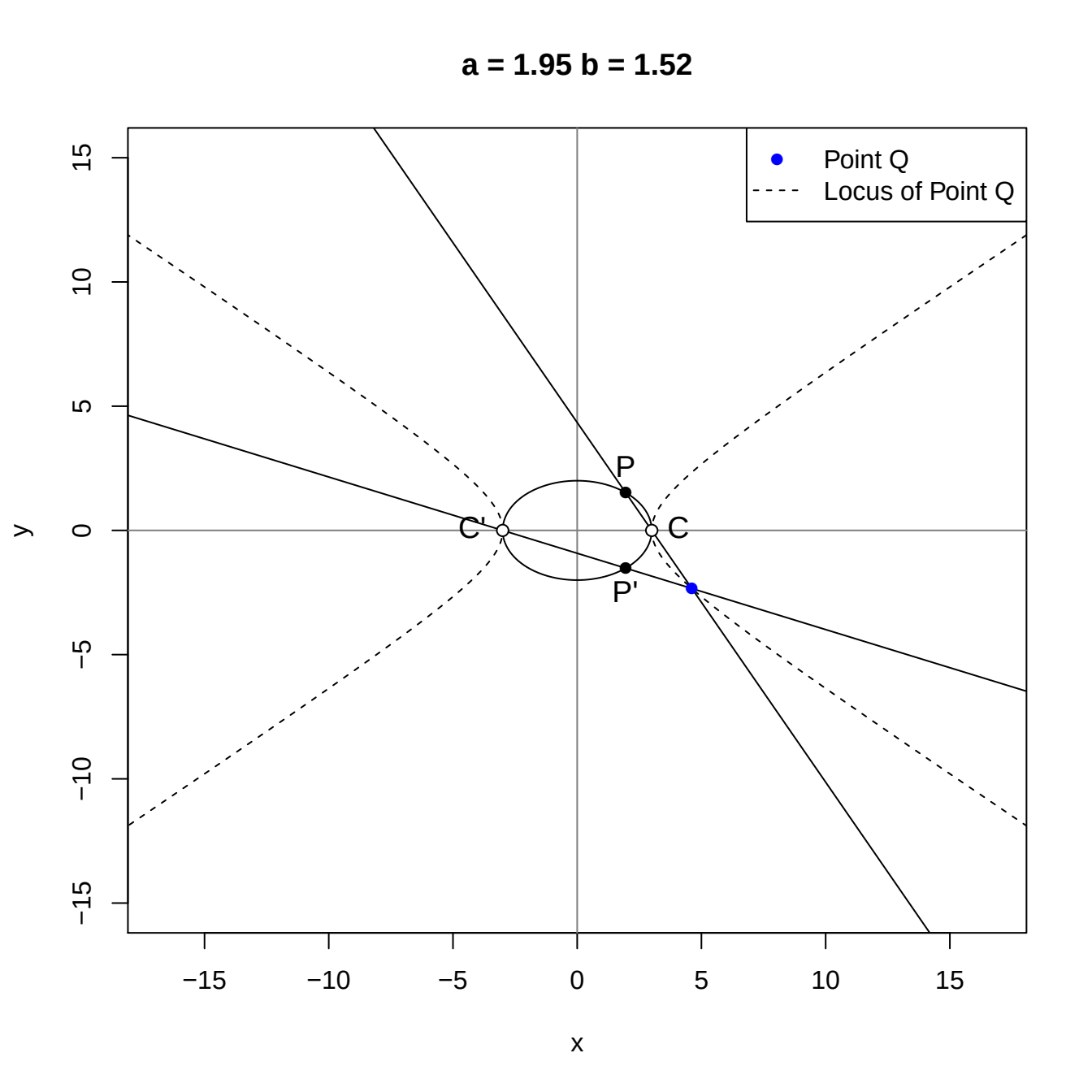

a = 1.7 b = 1.648
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

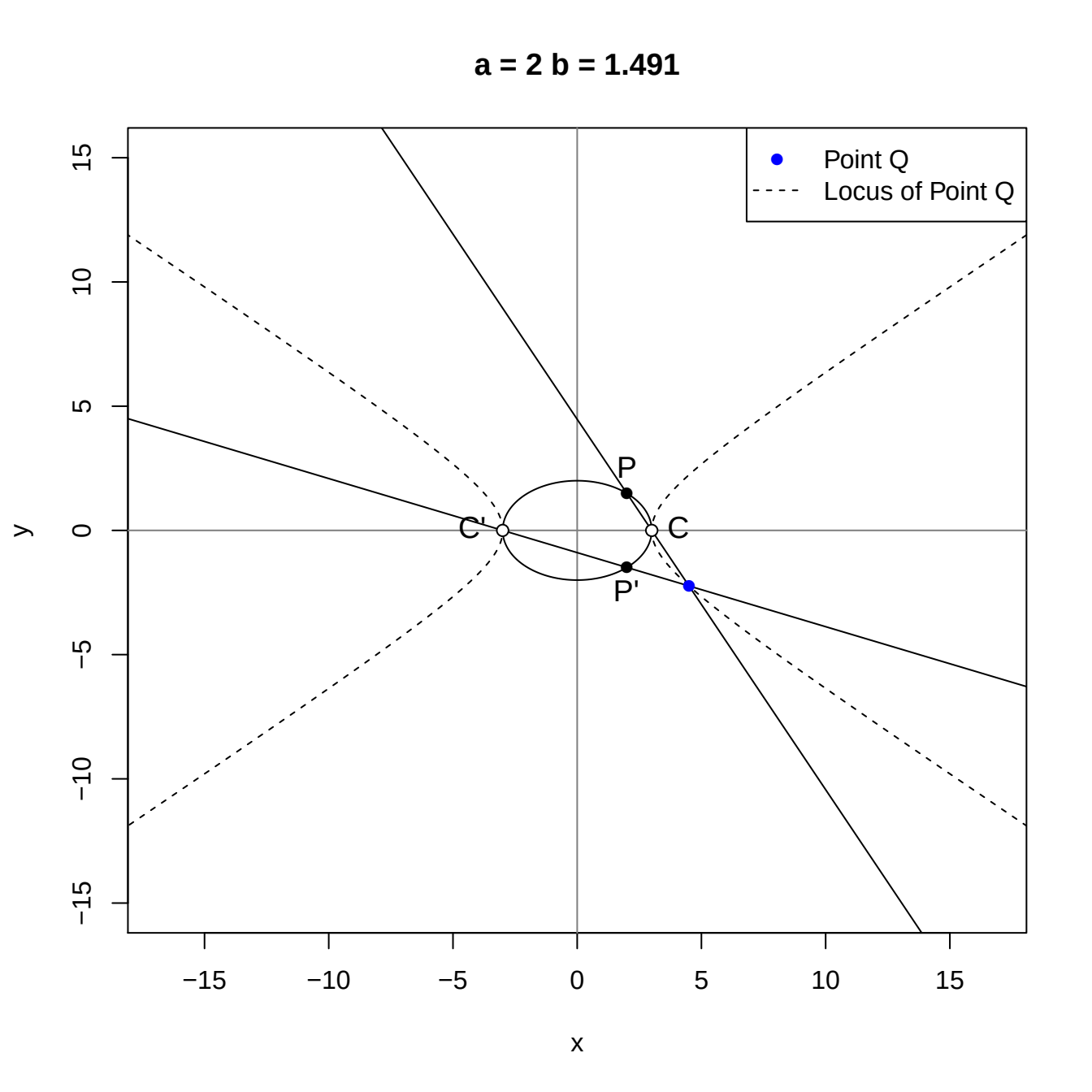

a = 1.75 b = 1.624
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

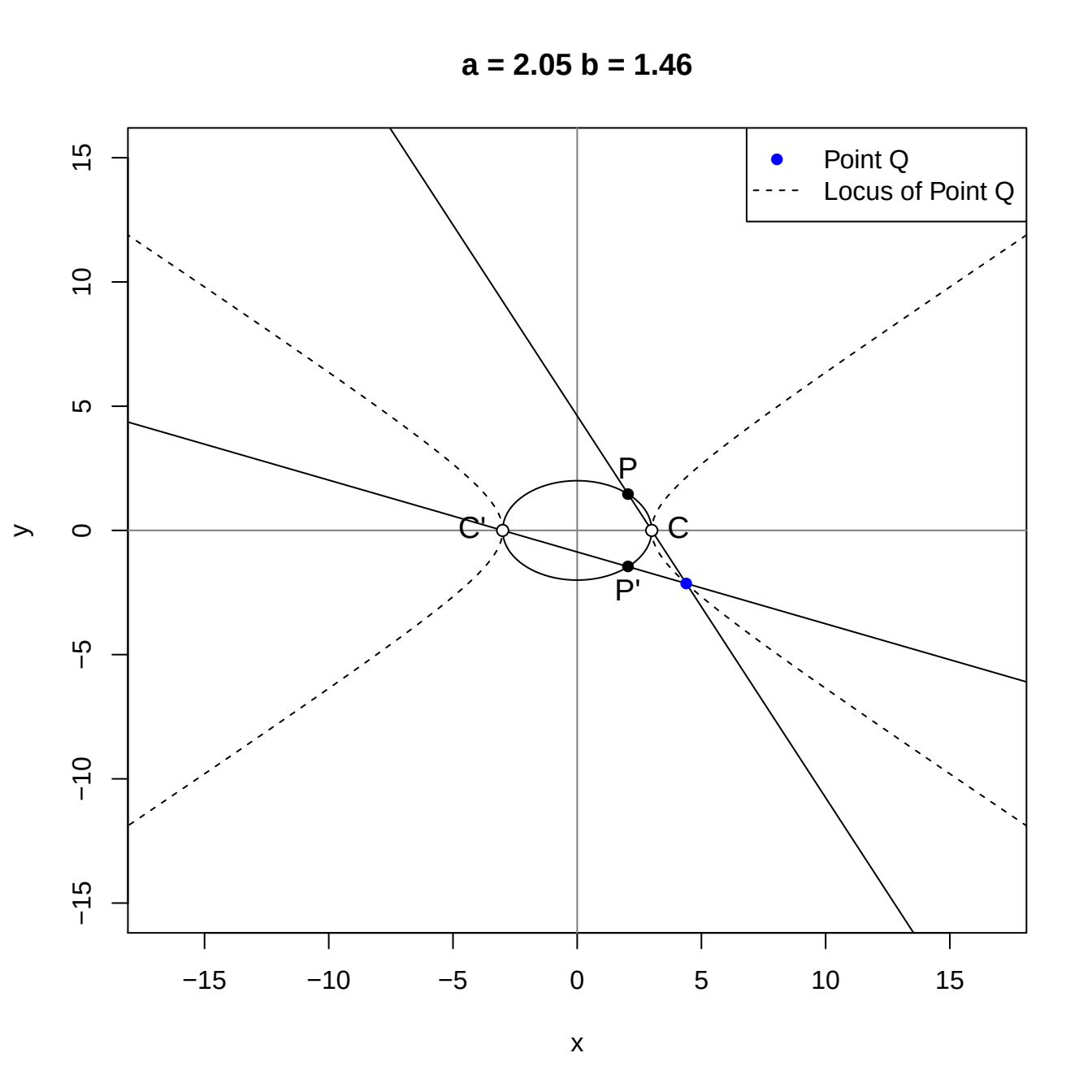

a = 1.8 b = 1.6
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

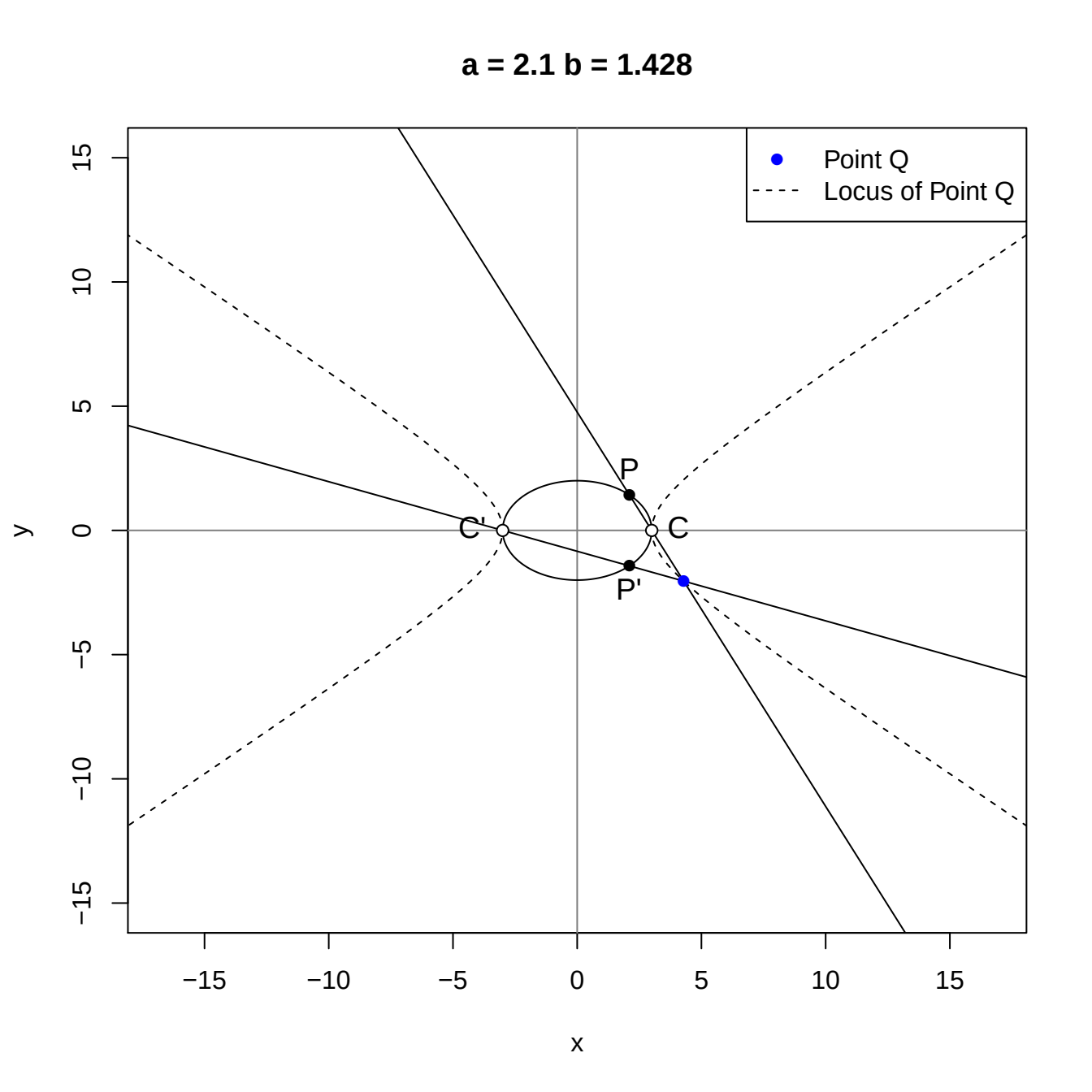

a = 1.85 b = 1.574
Point Q
Locus of Point Q
P
P'
C
C'
x
y
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

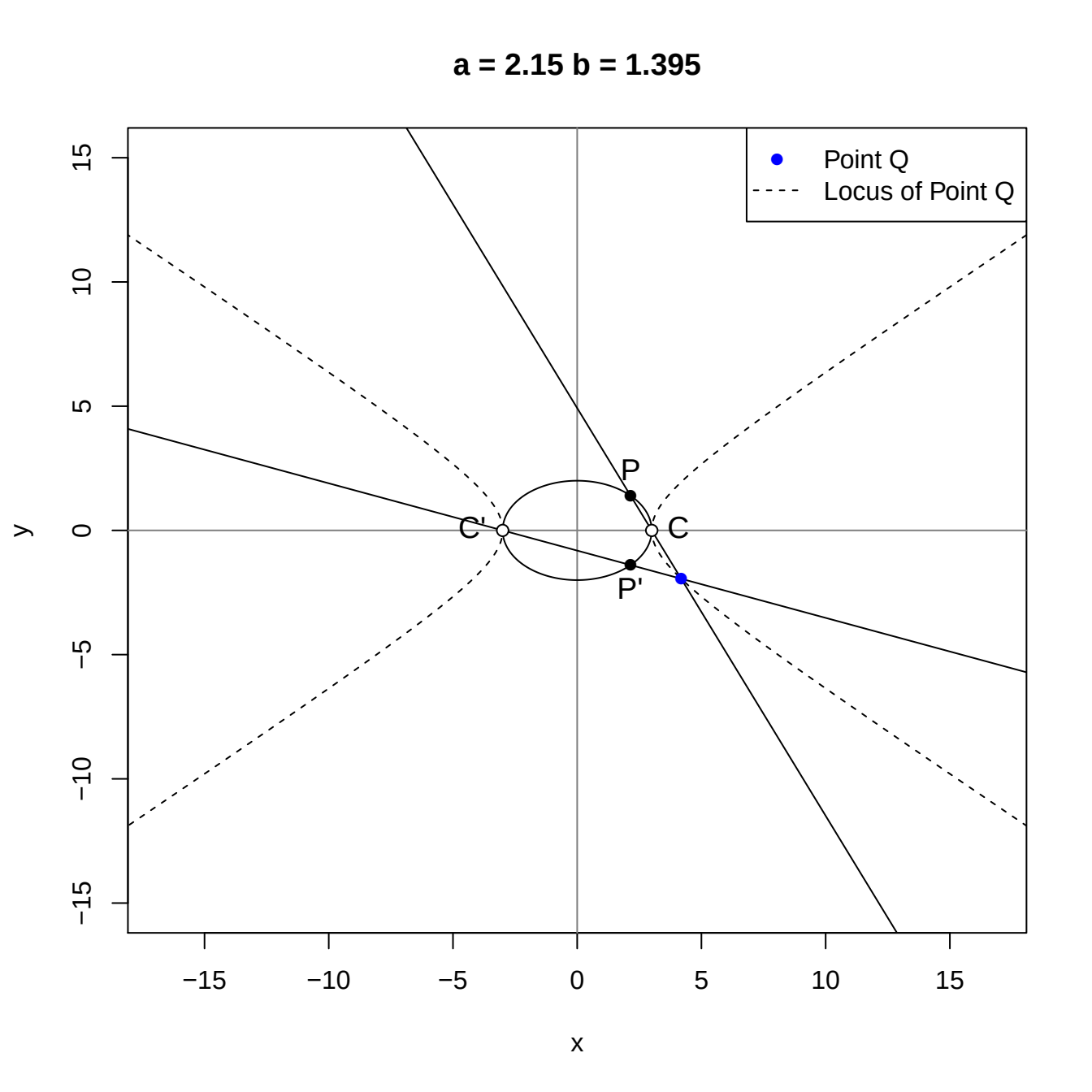

a = 1.9 b = 1.548
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

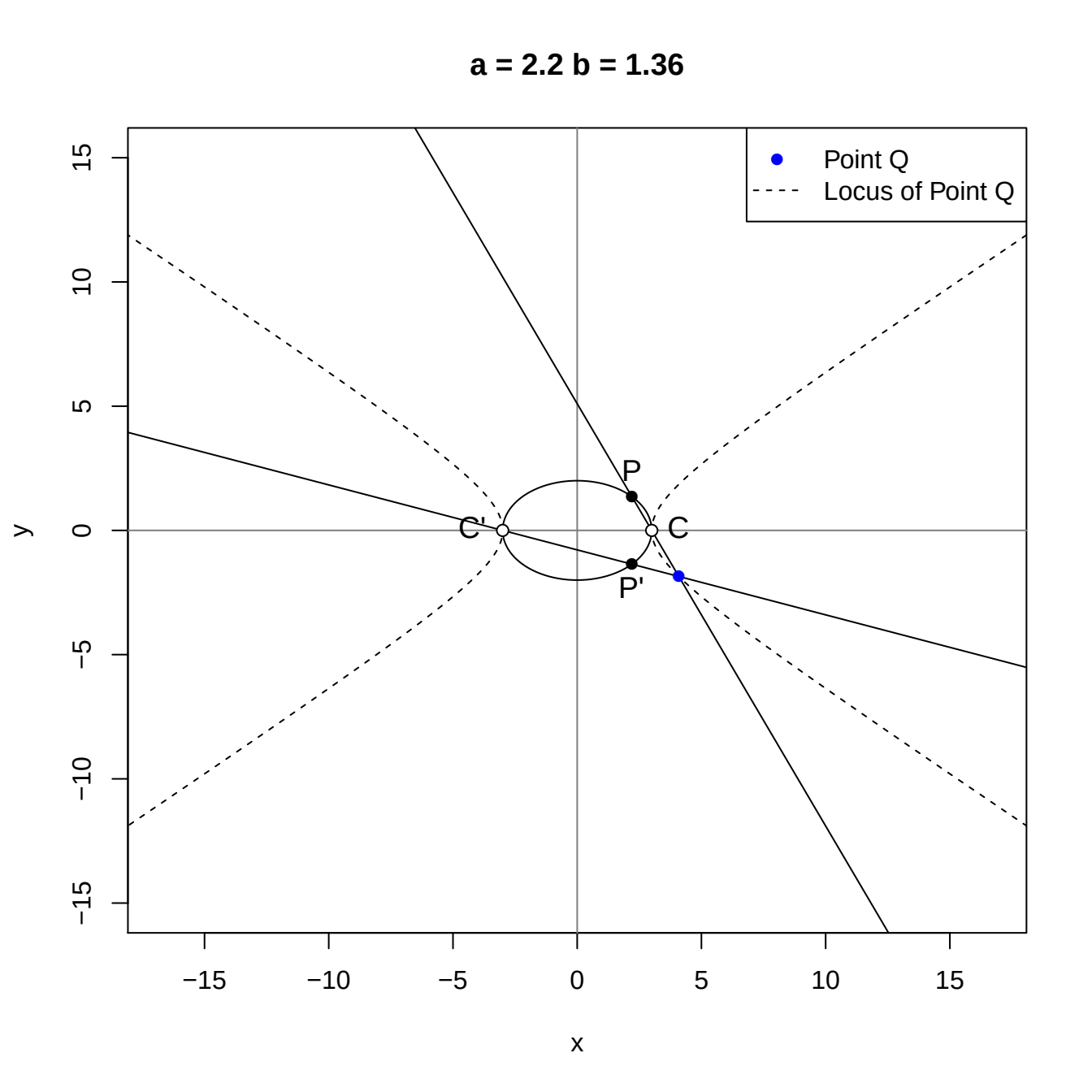

a = 1.95 b = 1.52
Point Q
Locus of Point Q
P
P'
C
C'
x
y
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

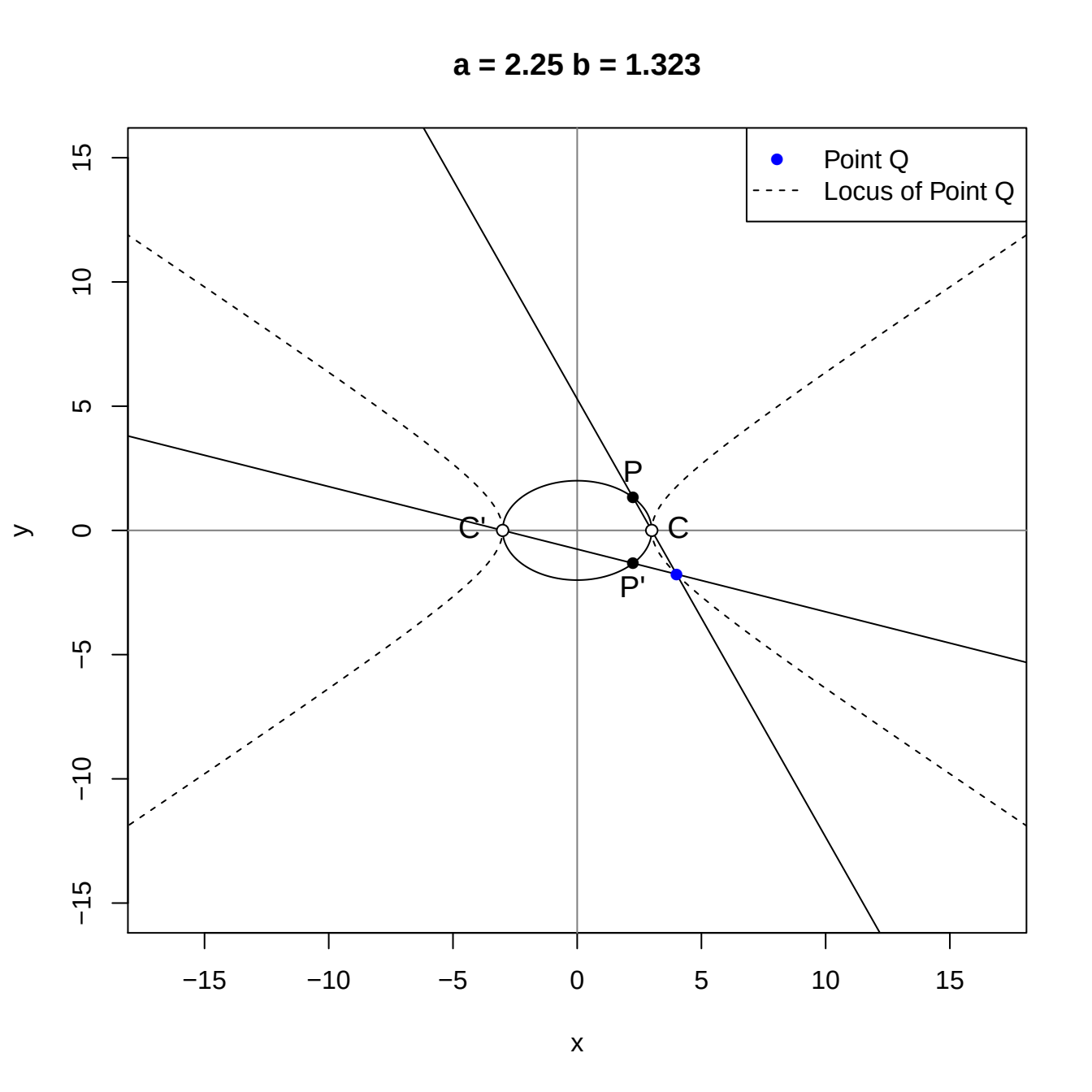

a = 2 b = 1.491
Point Q
Locus of Point Q
P
P'
C
C'
x
y
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

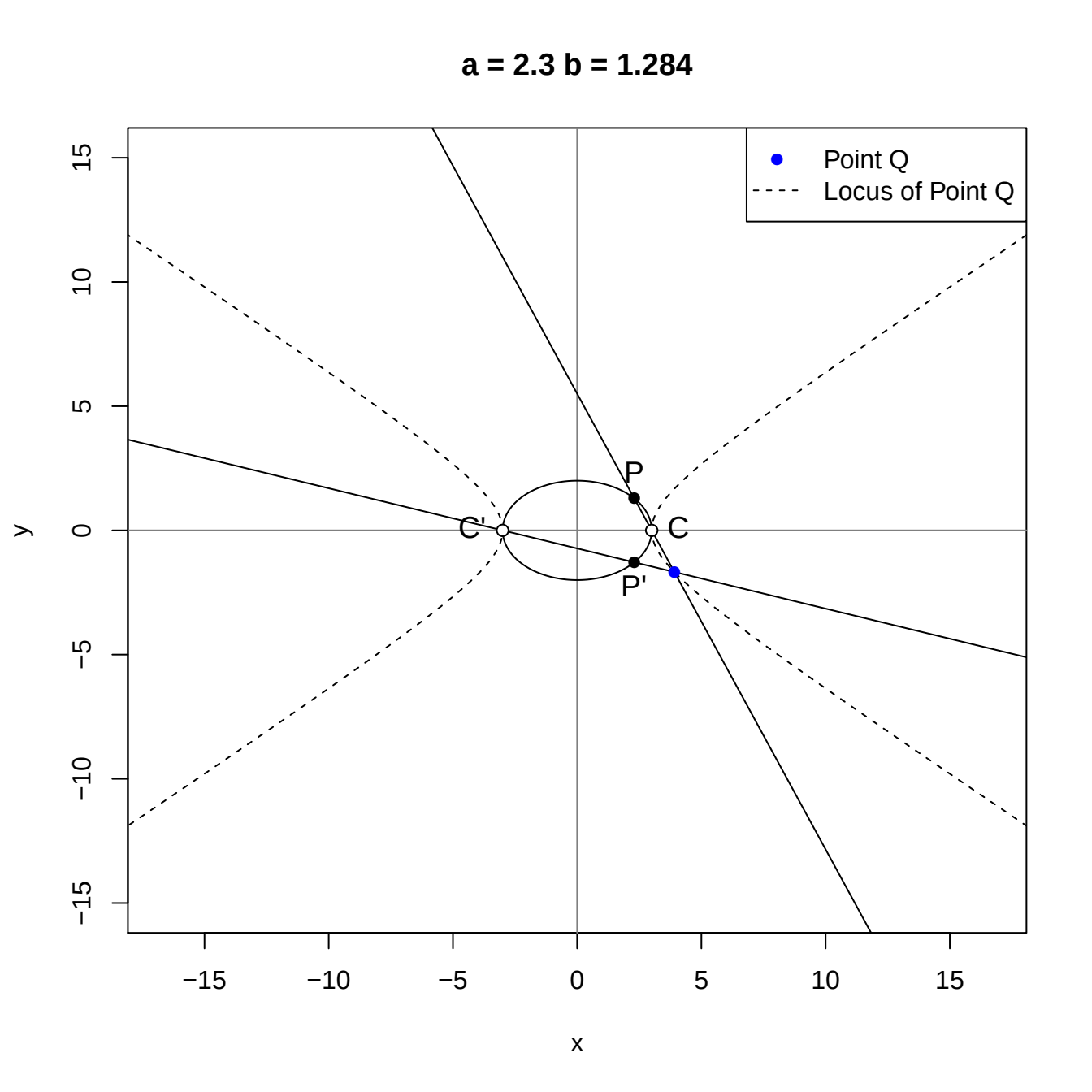

a = 2.05 b = 1.46
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

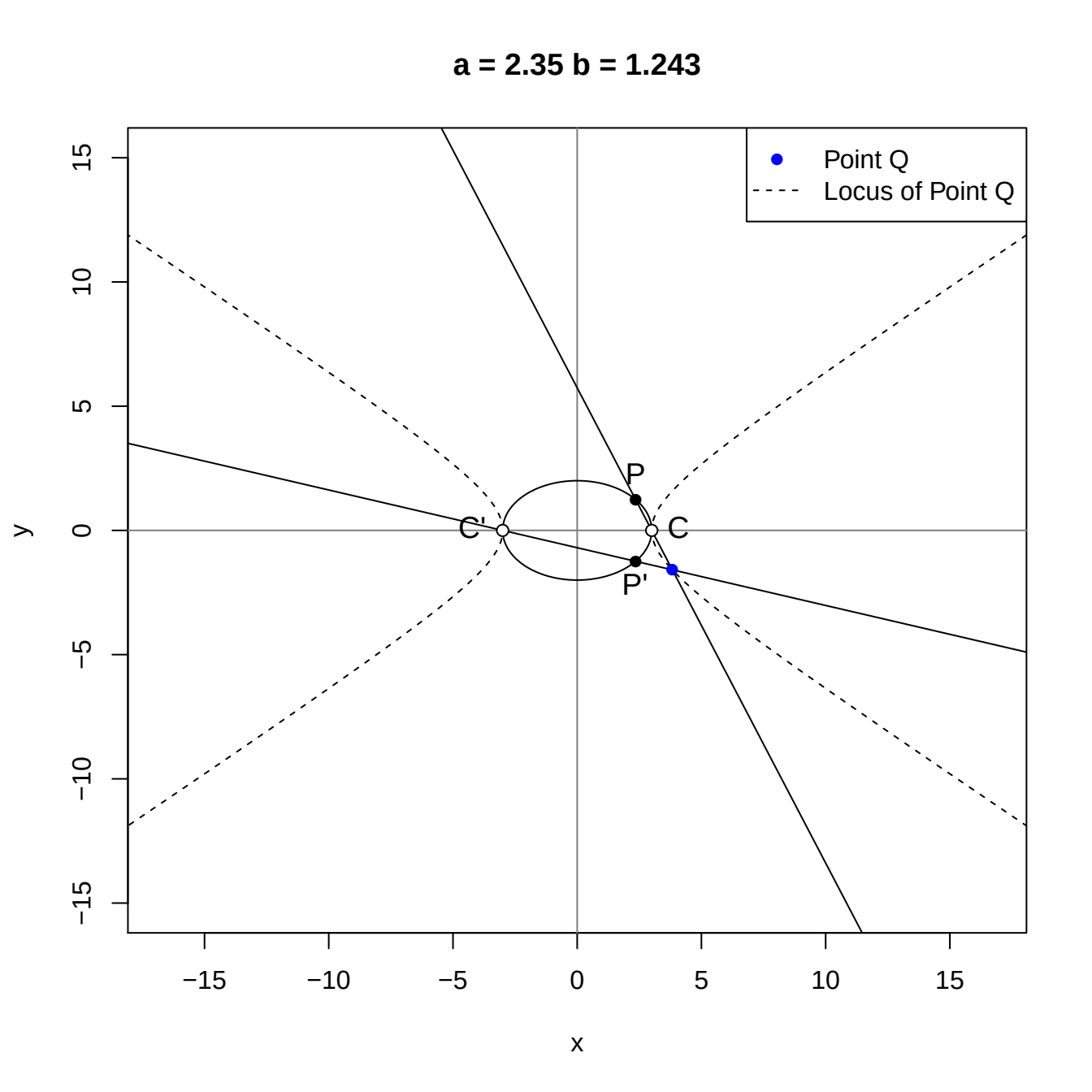

a = 2.1 b = 1.428
Point Q
Locus of Point Q
P
P'
C
C'
x
y
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

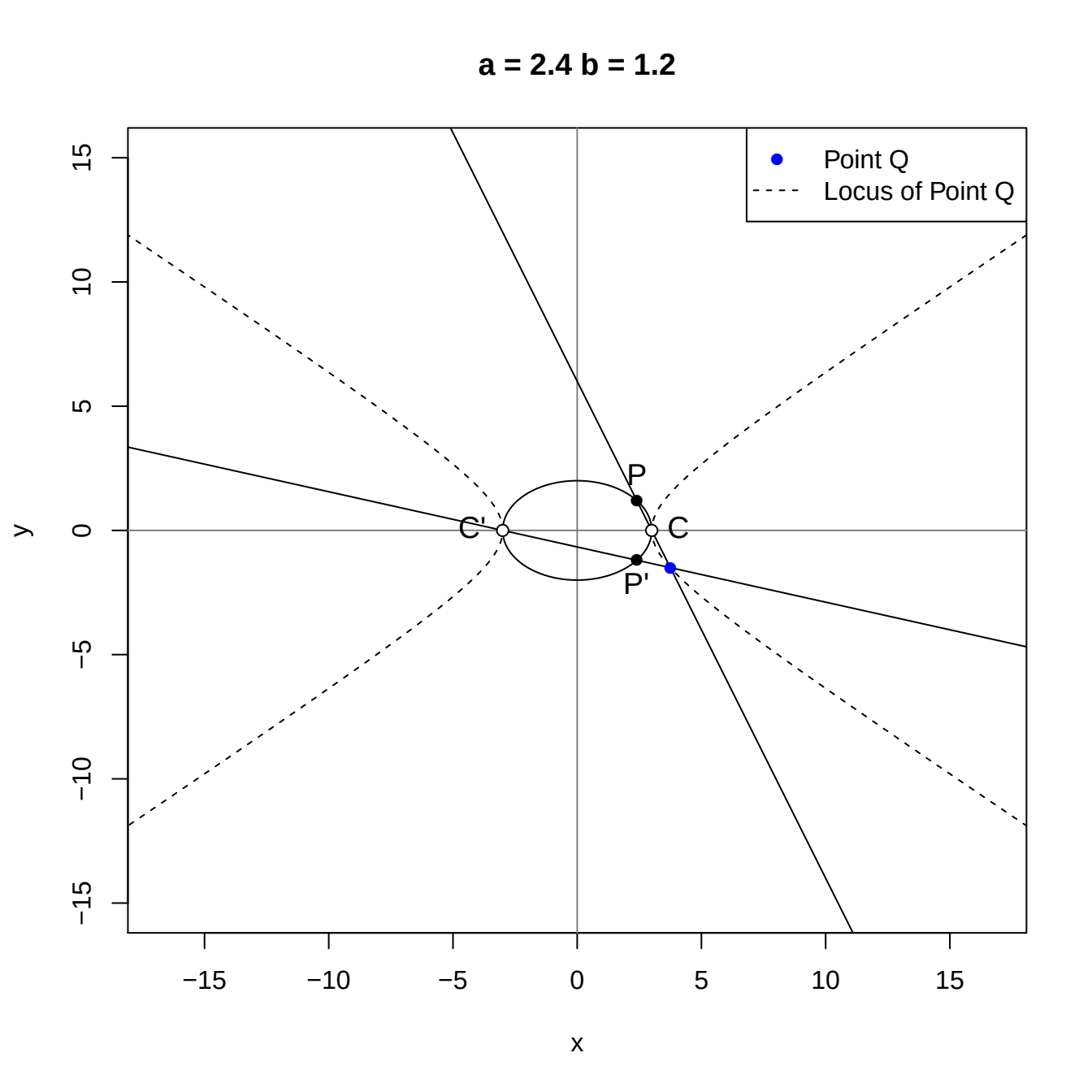

a = 2.15 b = 1.395
Point Q
Locus of Point Q
P
C'
C
P'
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

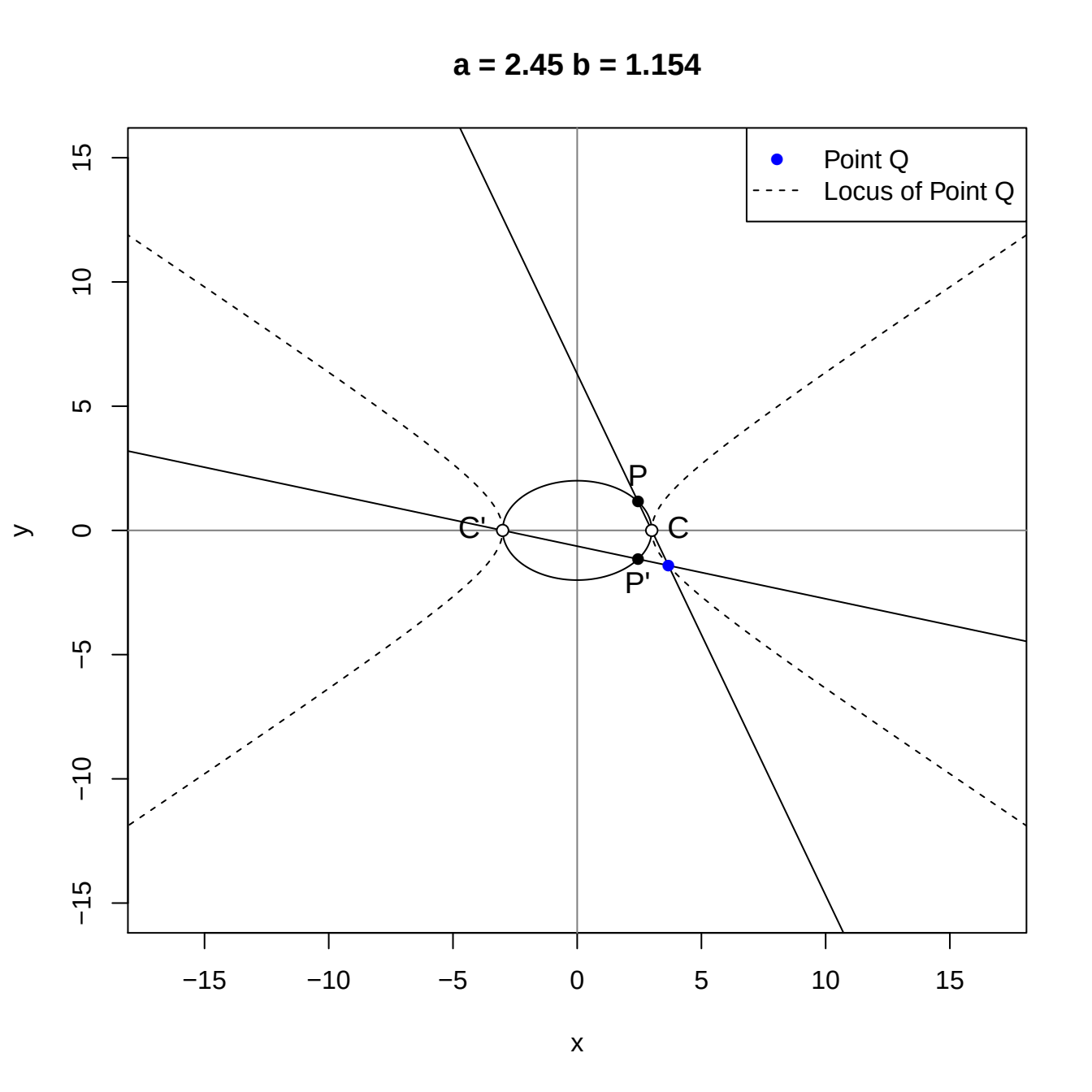

a = 2.2 b = 1.36
Point Q
Locus of Point Q
P
P'
C
C'
x
y
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

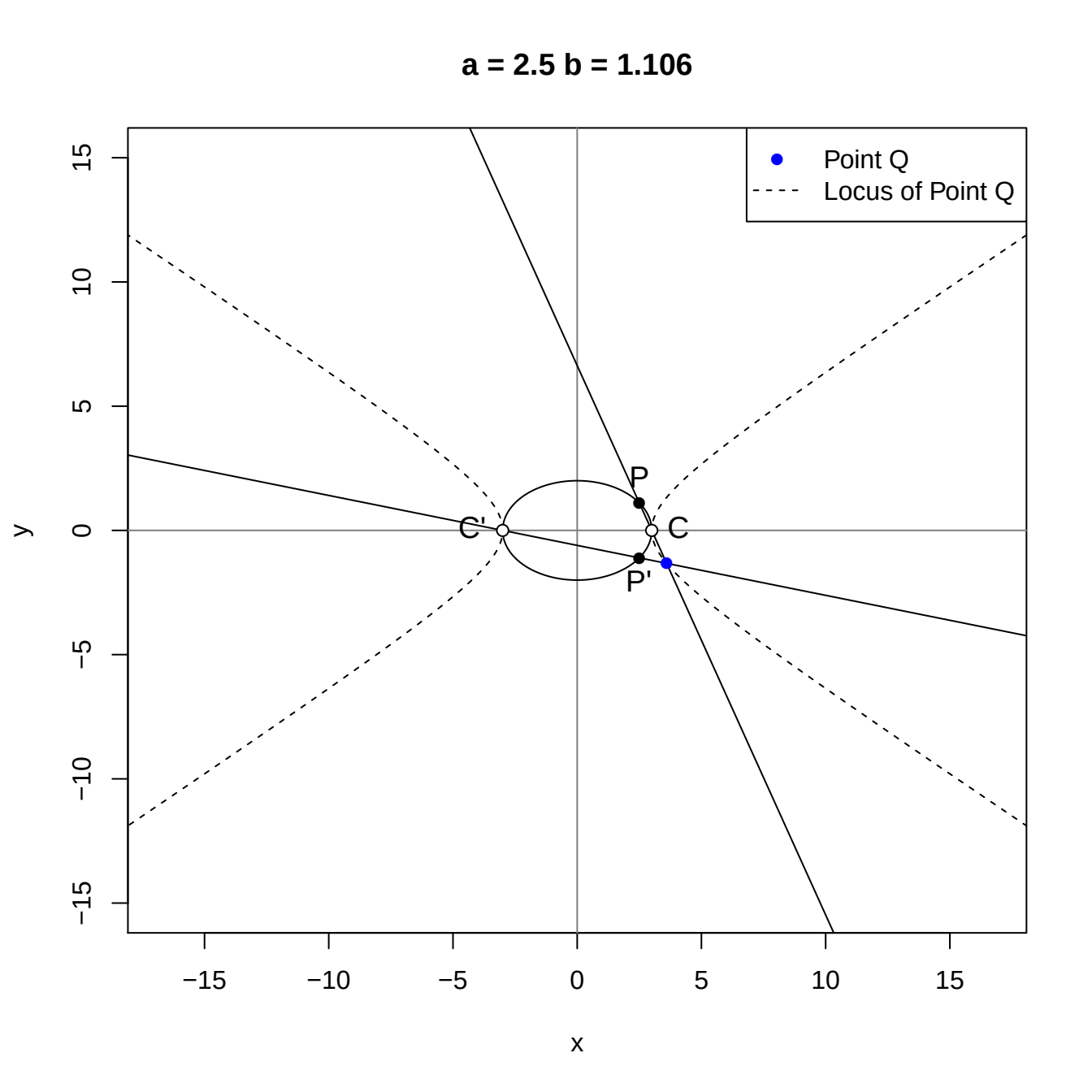

a = 2.25 b = 1.323
Point Q
Locus of Point Q
P
P'
C
C'
x
y
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

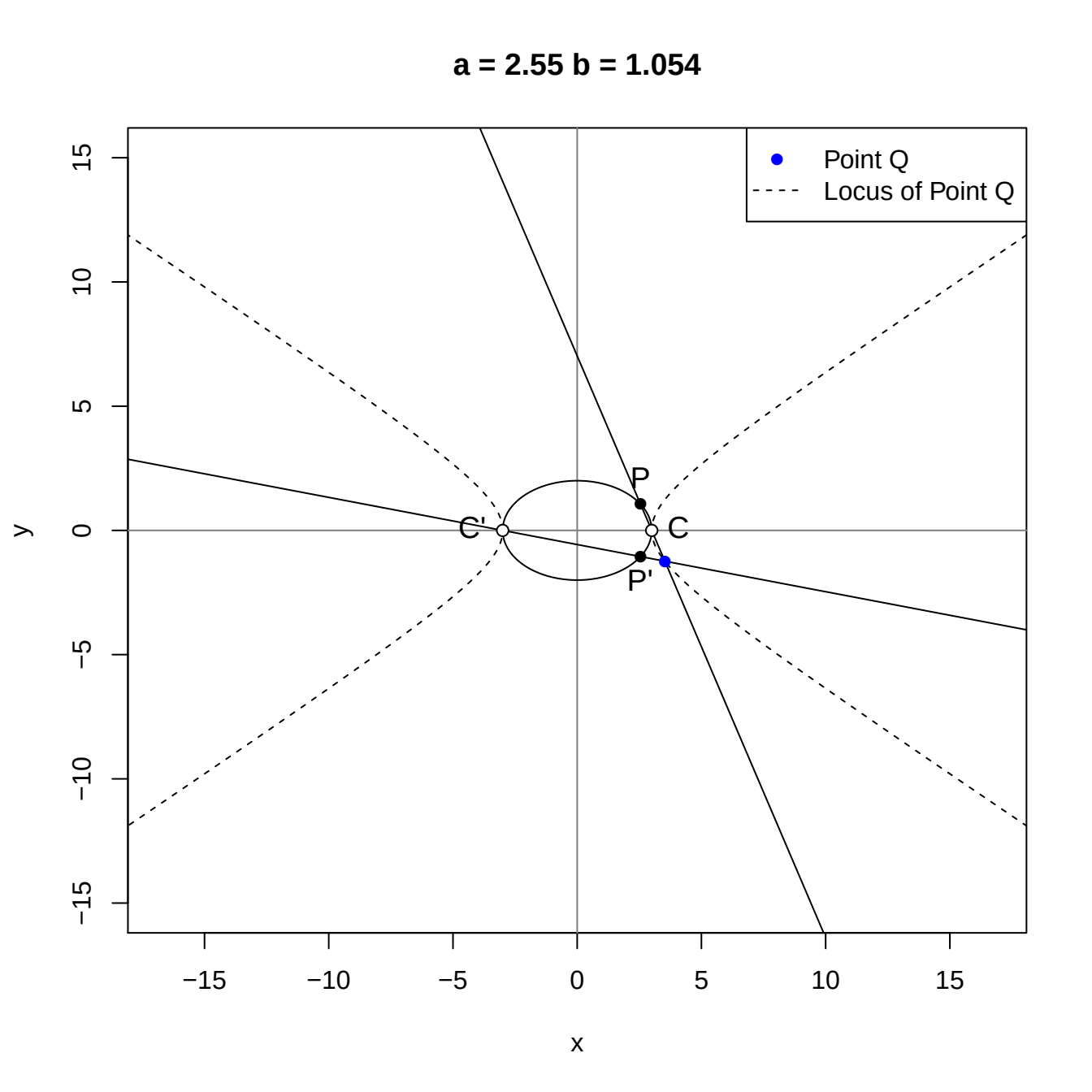

a = 2.3 b = 1.284
Point Q
Locus of Point Q
P
P'
C
C'
x
y
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

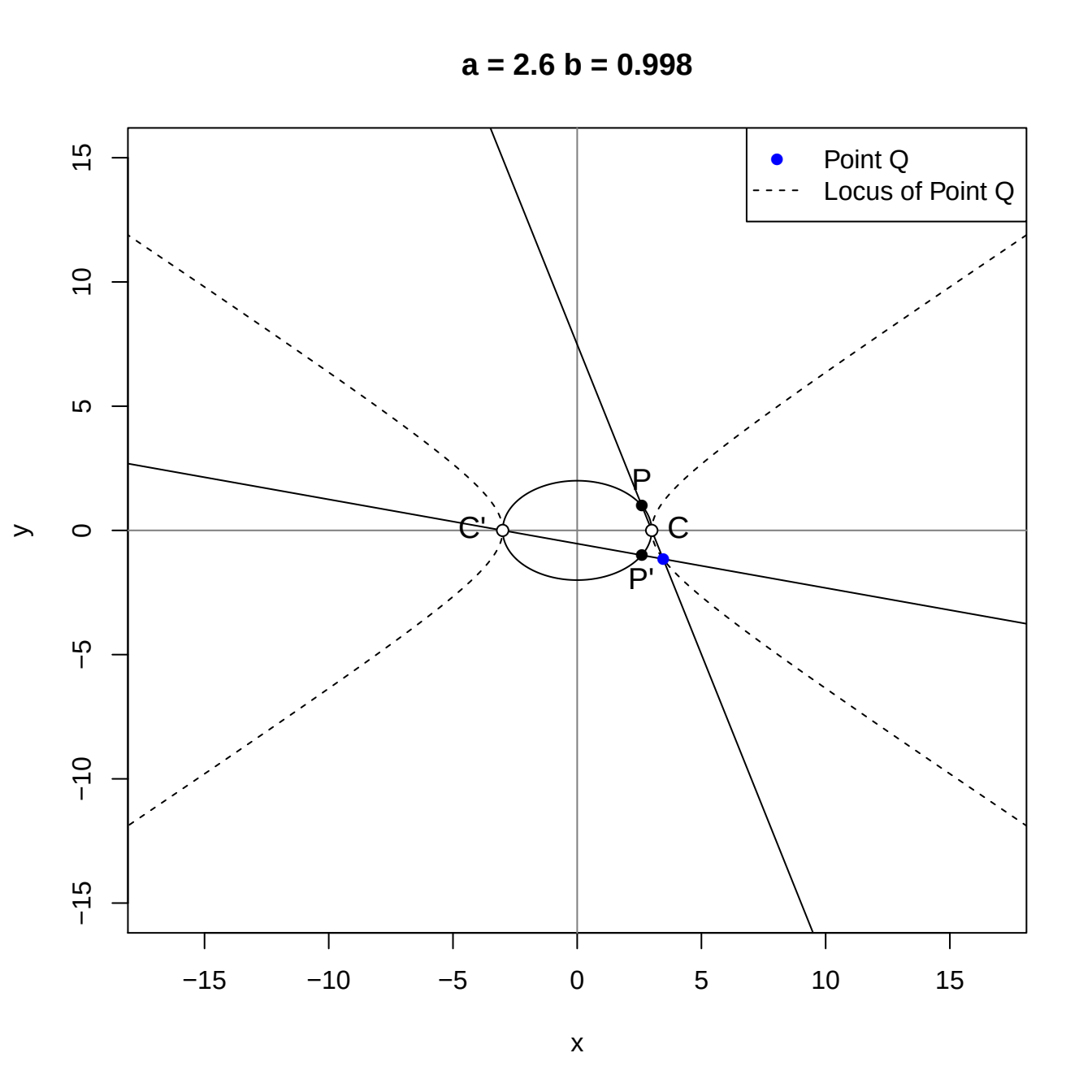

a = 2.35 b = 1.243
Point Q
Locus of Point Q
P
C'
C
P'
x
y
−15
−10
−5
0
5
10
15

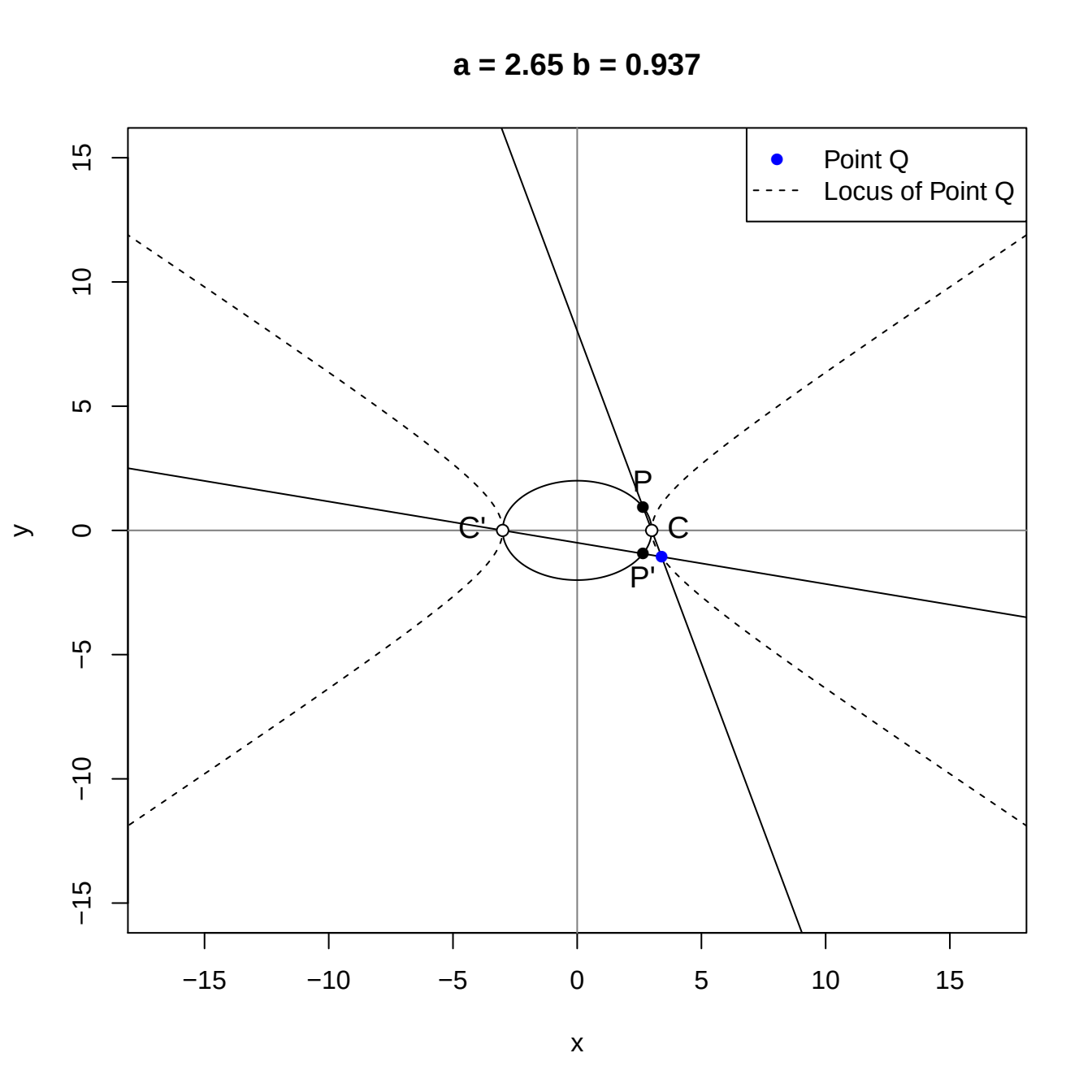

a = 2.4 b = 1.2
Point Q
Locus of Point Q
P
P'
C
C'
x
y
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

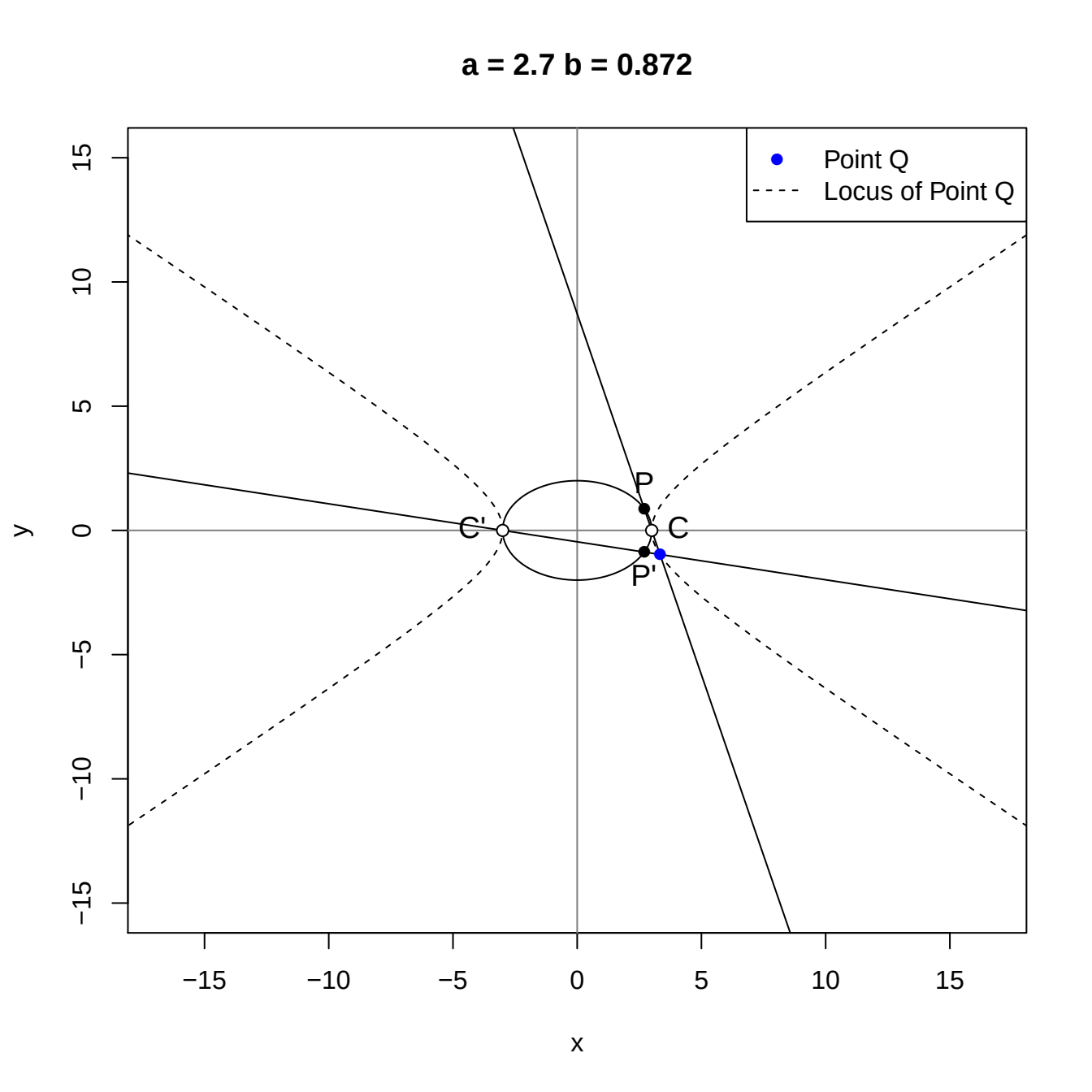

a = 2.45 b = 1.154
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

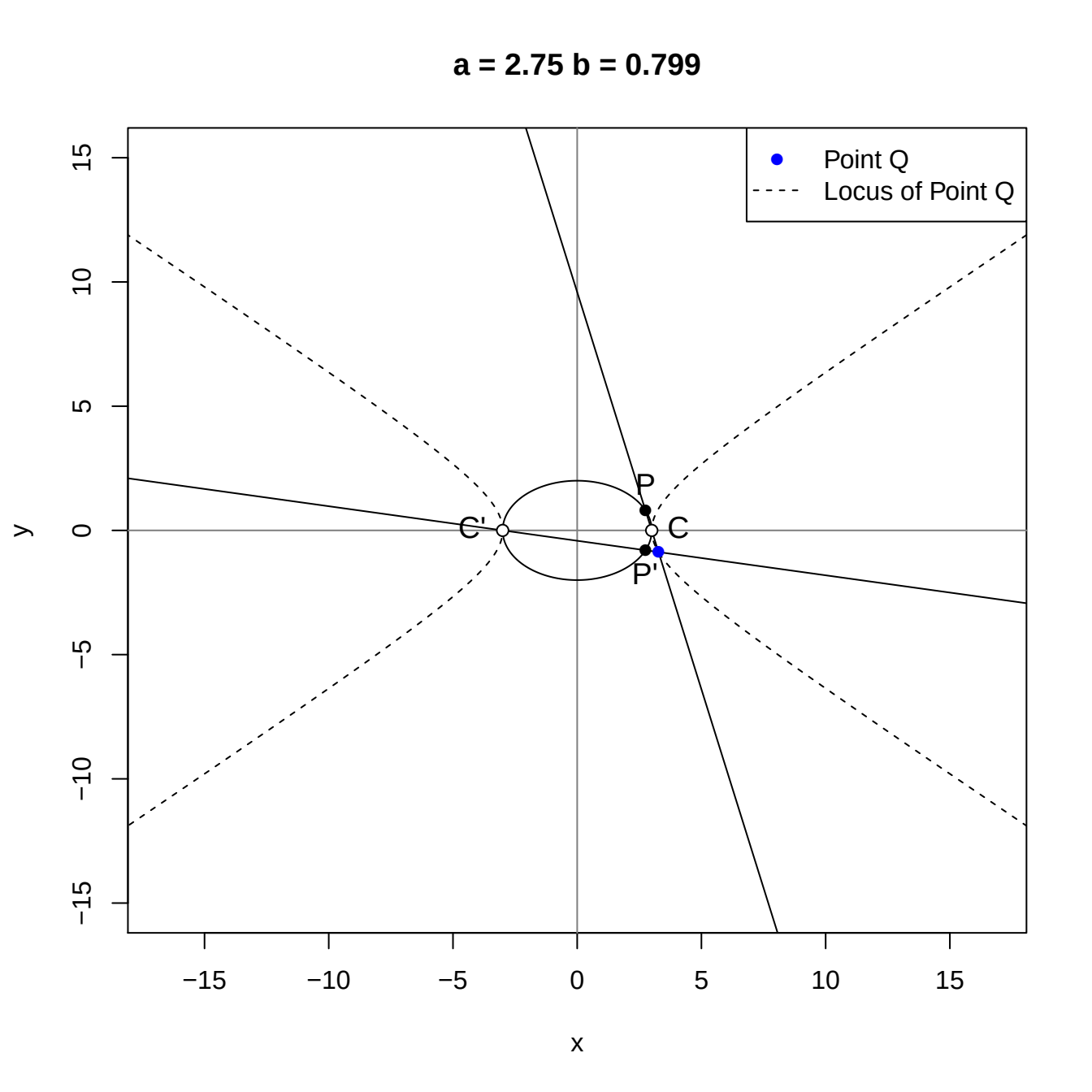

a = 2.5 b = 1.106
Point Q
Locus of Point Q
P
P'
C
C'
x
y
15
10
5
0
−5
−10
−15

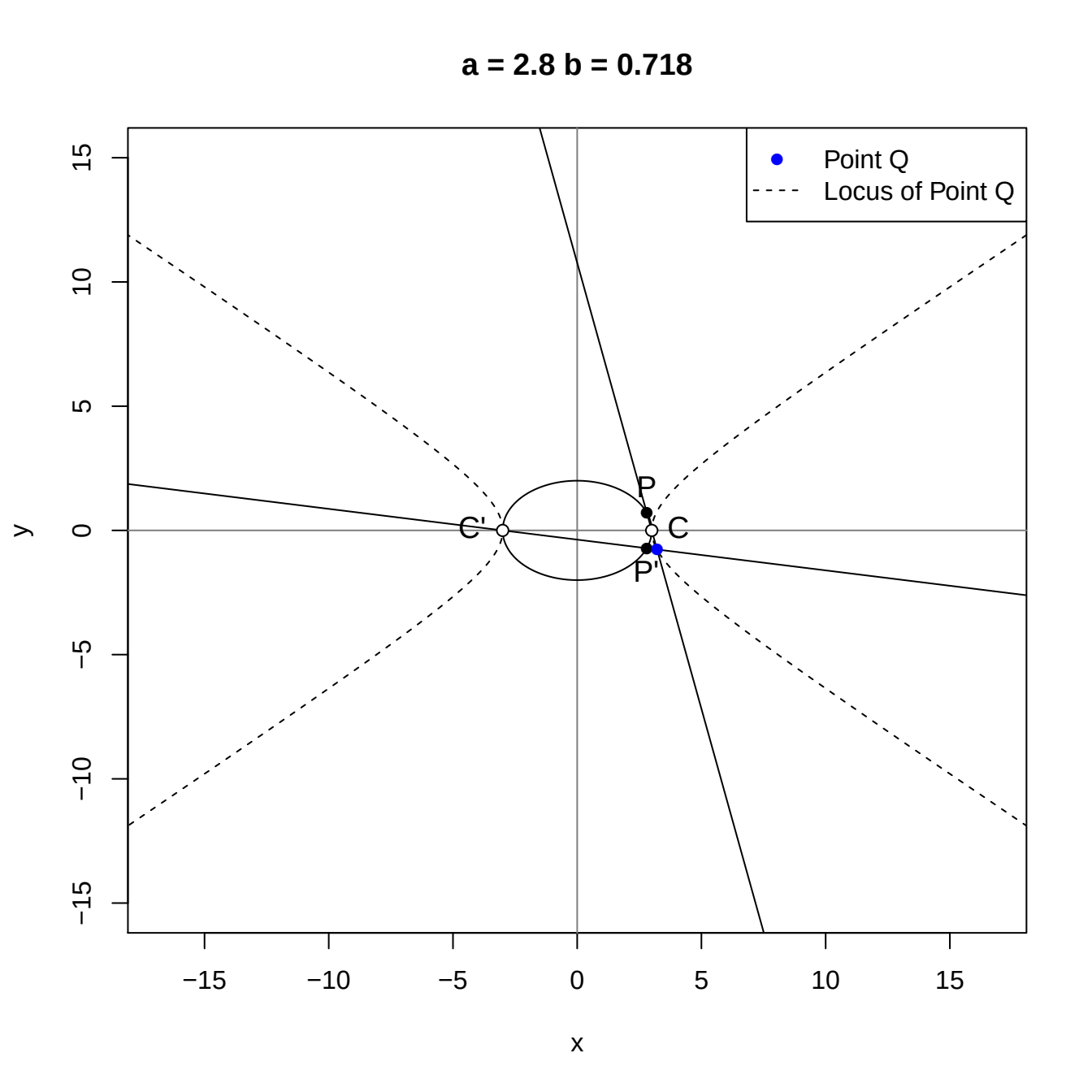

a = 2.55 b = 1.054
Point Q
Locus of Point Q
P
P'
C
C'
x
y
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

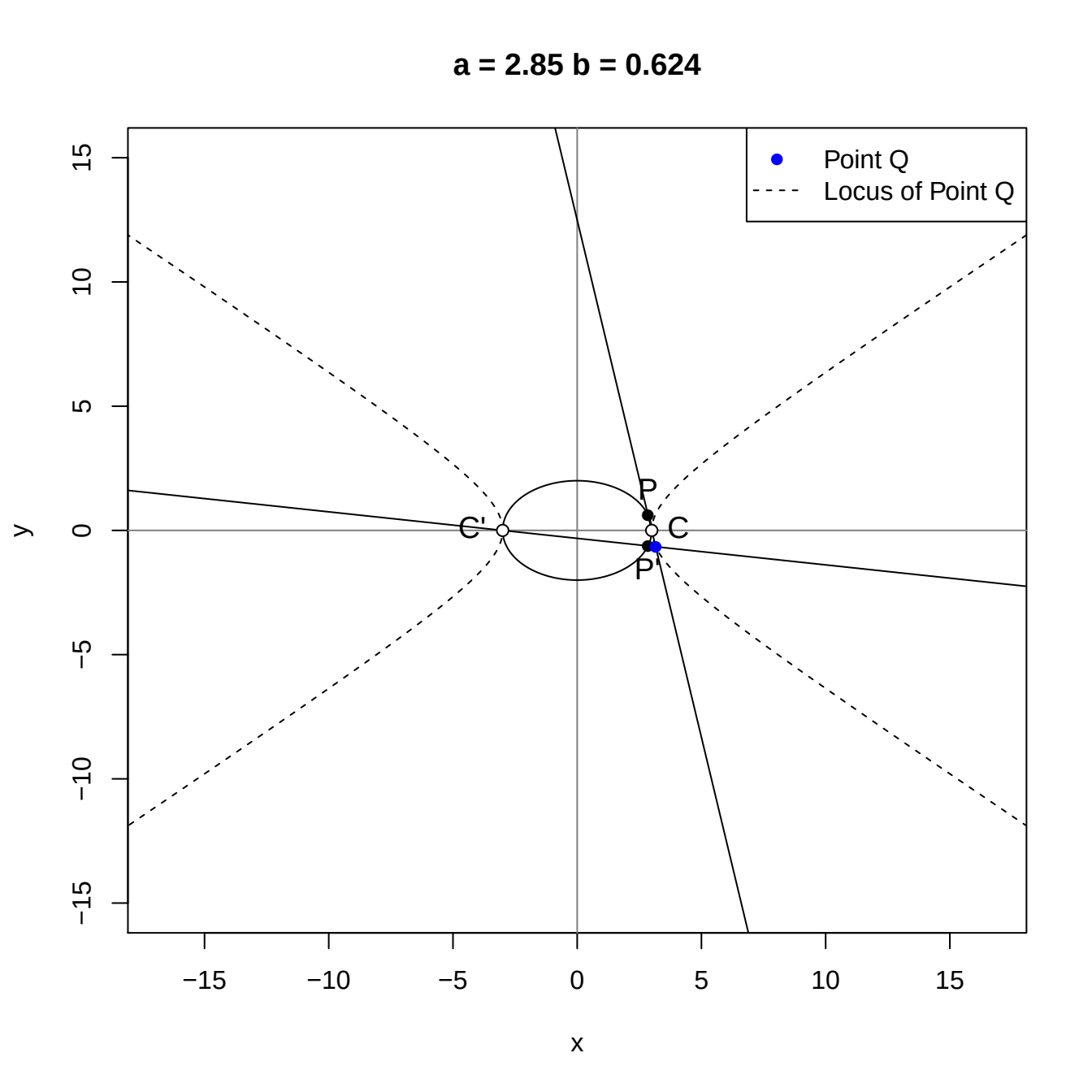

a = 2.6 b = 0.998
Point Q
Locus of Point Q
P
C'
C
P'
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

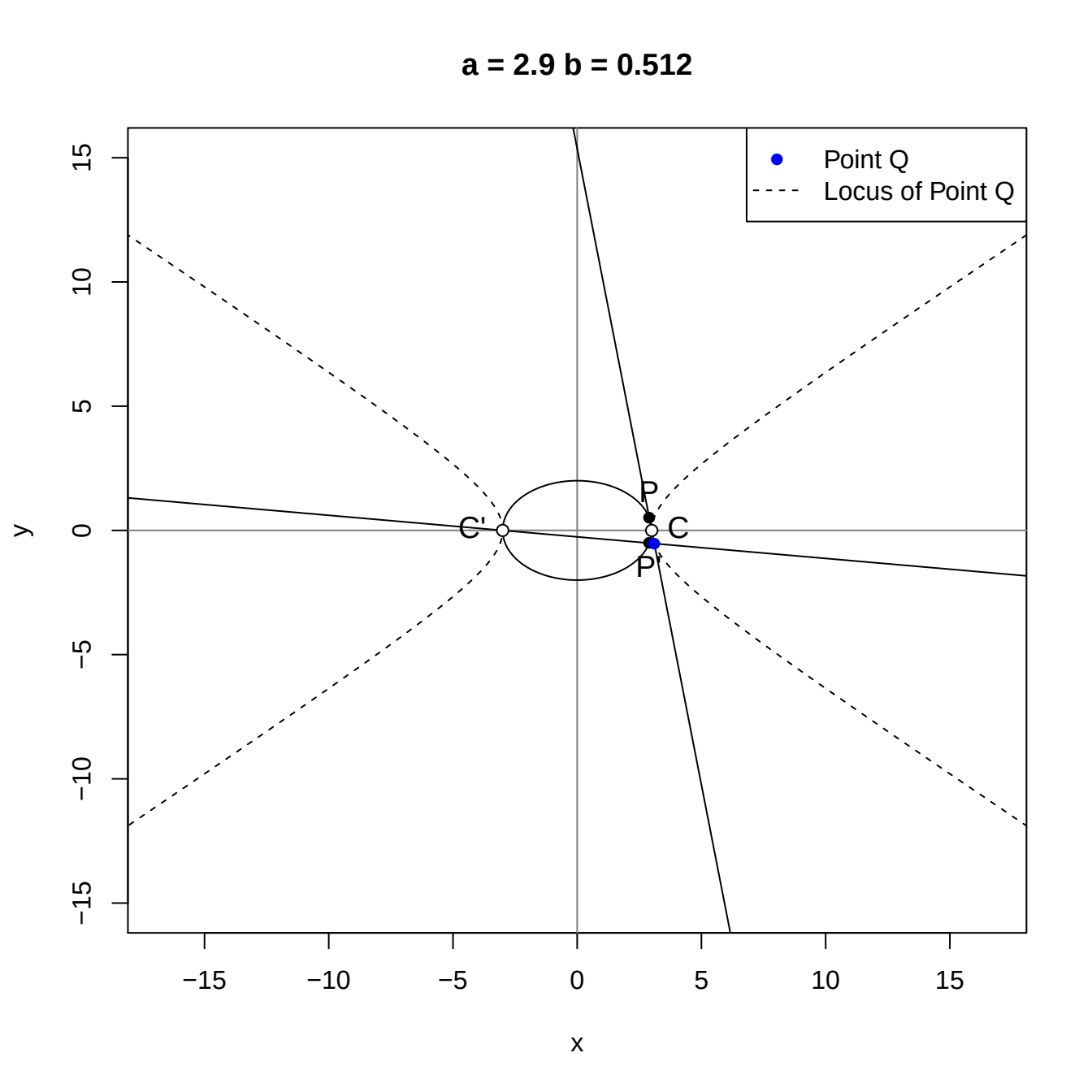

a = 2.65 b = 0.937
Point Q
Locus of Point Q
P
C'
C
P'
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

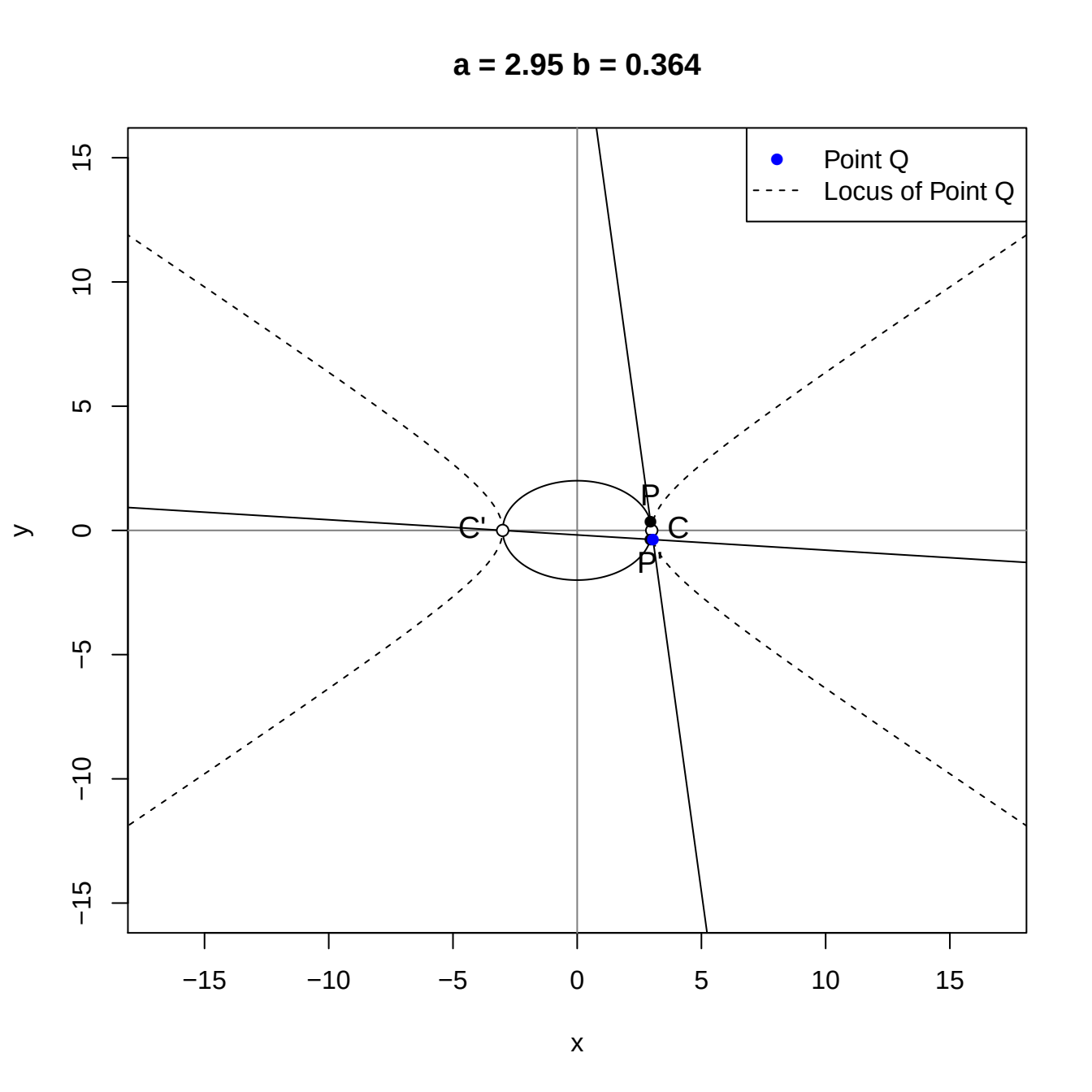

a = 2.7 b = 0.872
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

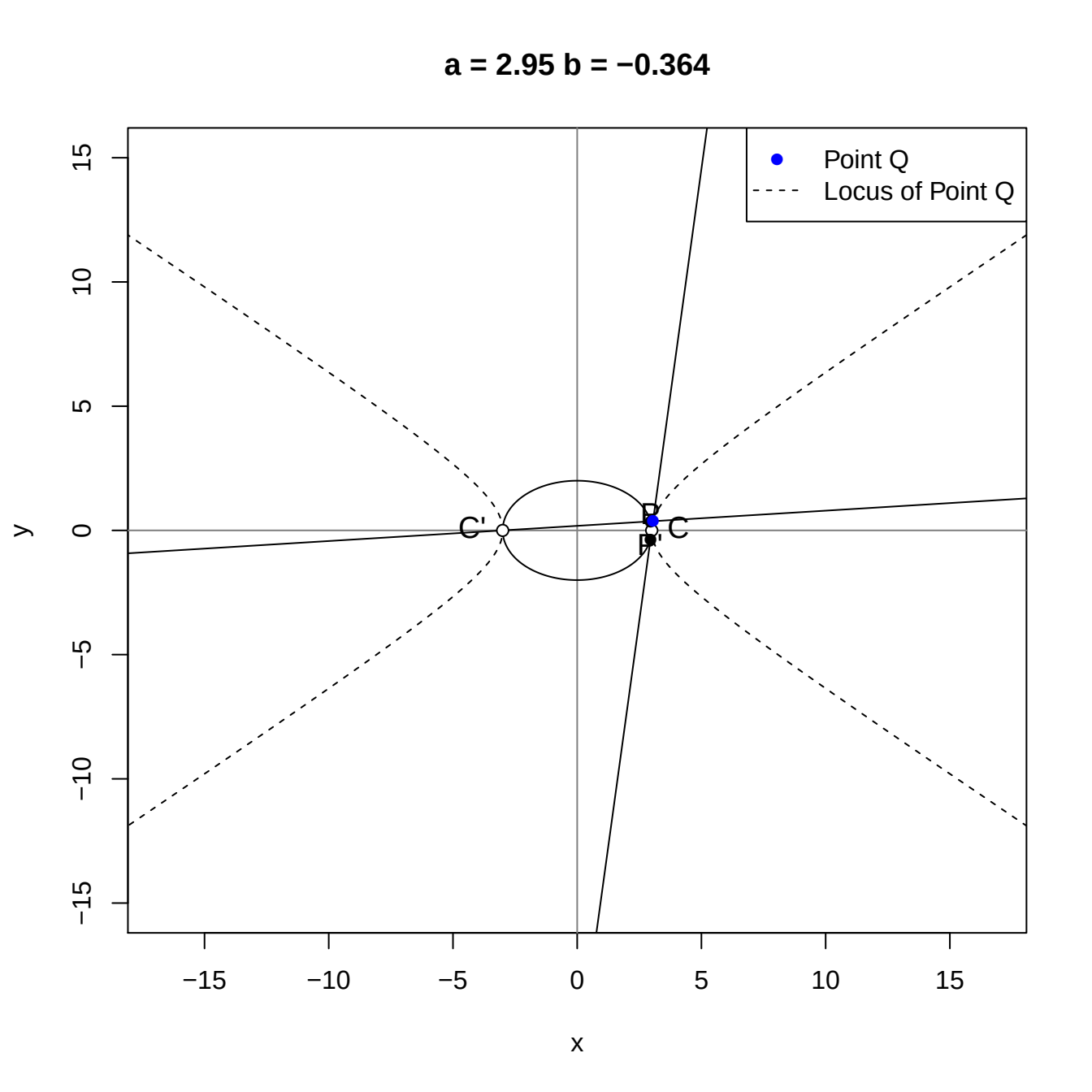

a = 2.75 b = 0.799
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

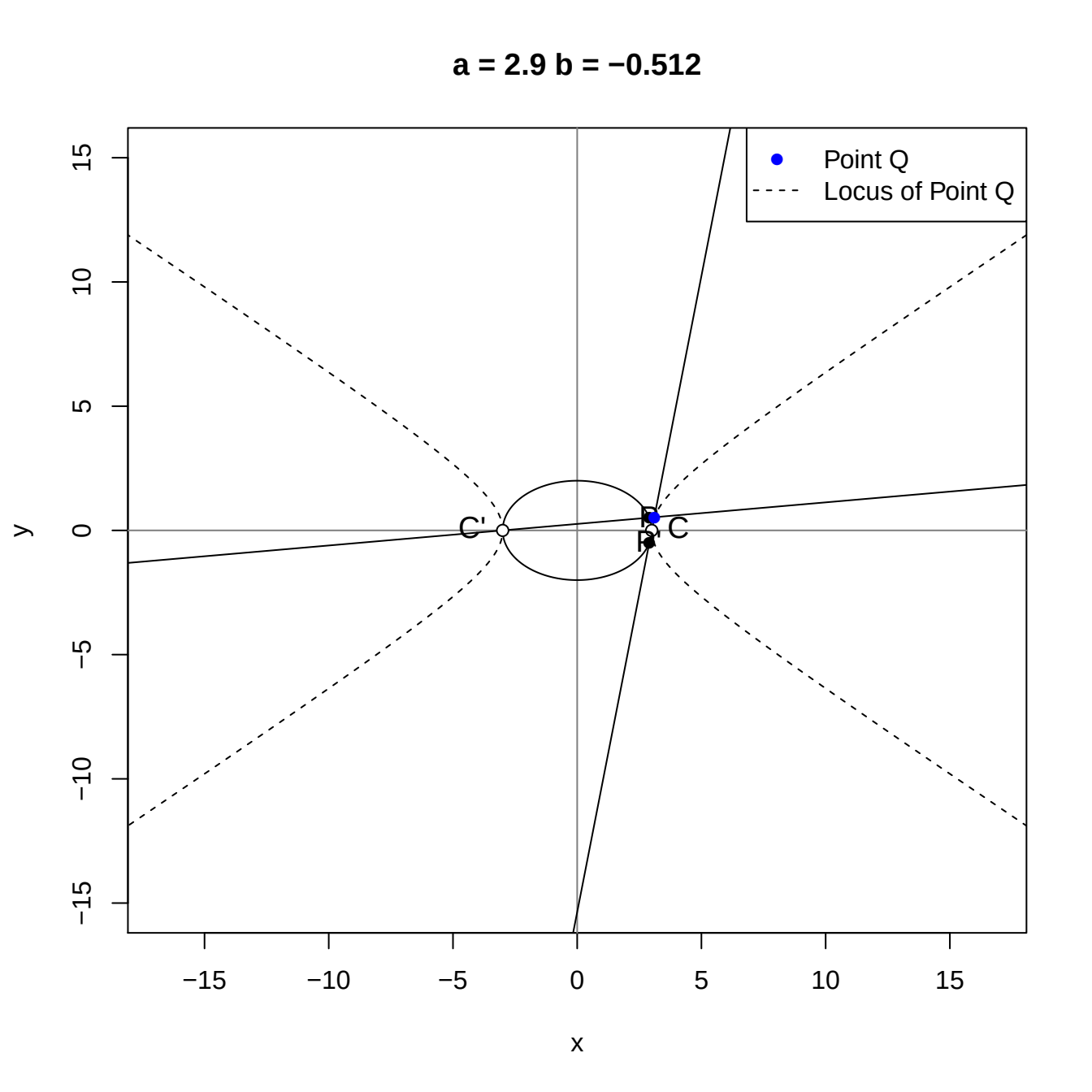

a = 2.8 b = 0.718
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

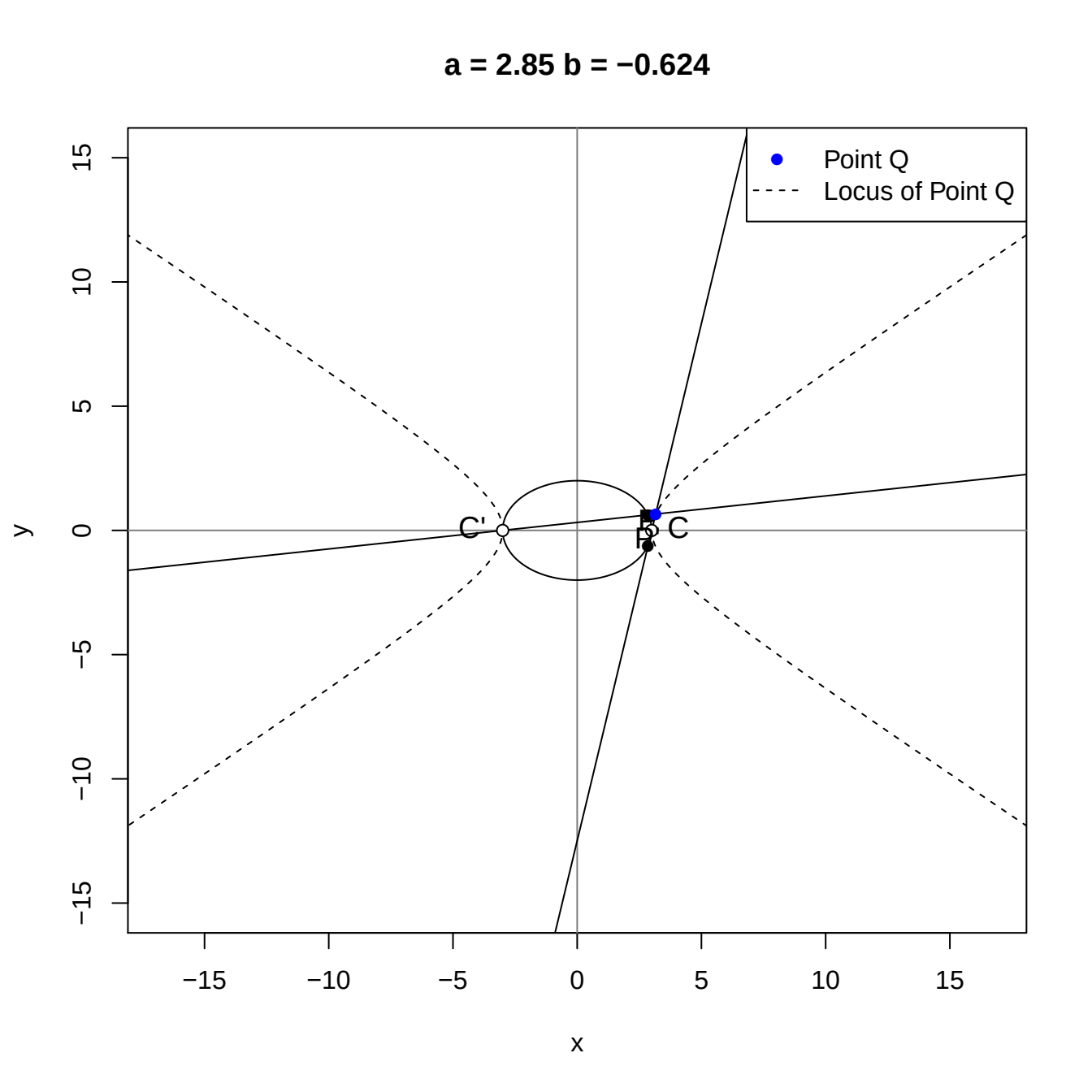

a = 2.85 b = 0.624
Point Q
Locus of Point Q
P
P'
C
C'
x
y
−15
−10
−5
0
5
10
15

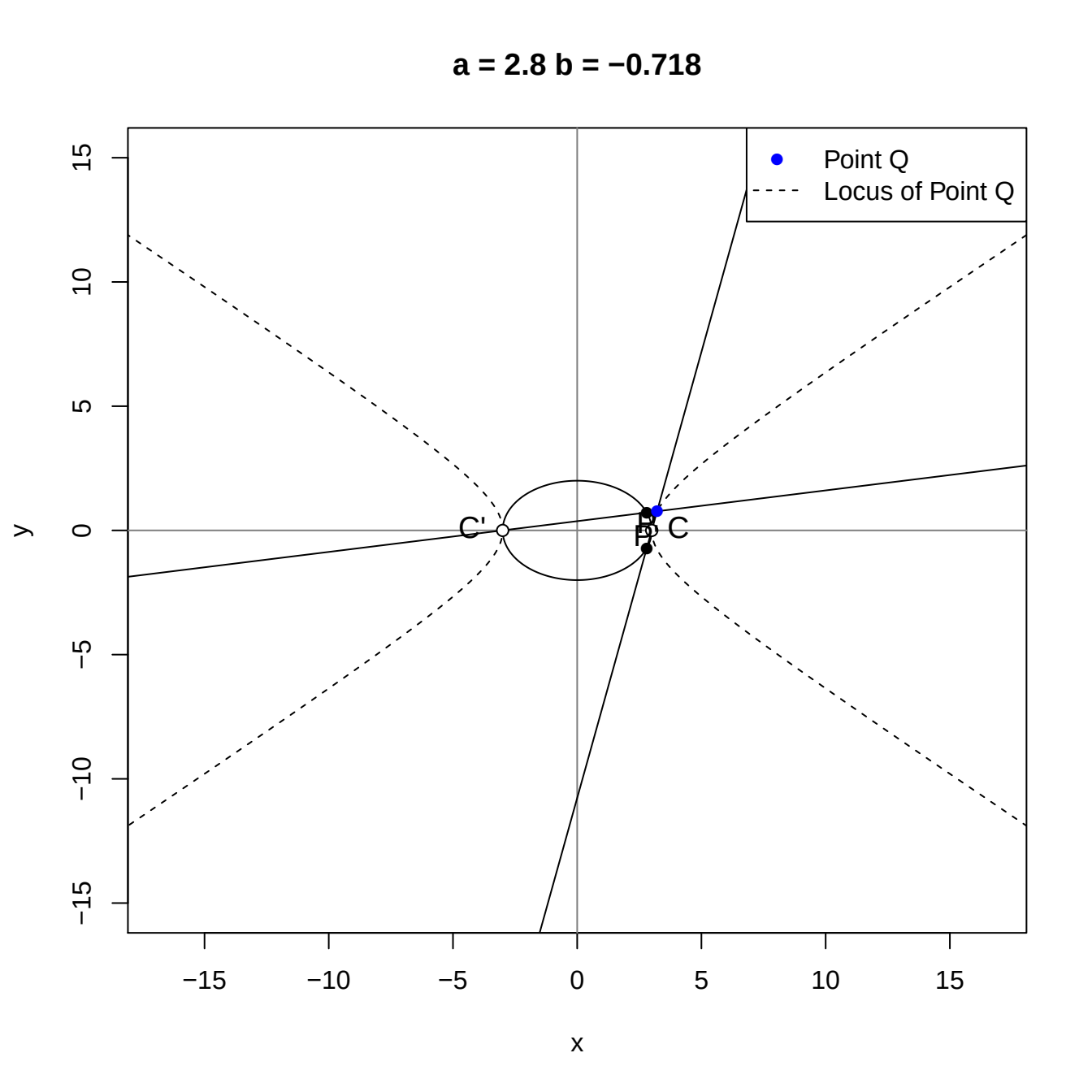

a = 2.9 b = 0.512
Point Q
Locus of Point Q
P
C'
C
P'
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

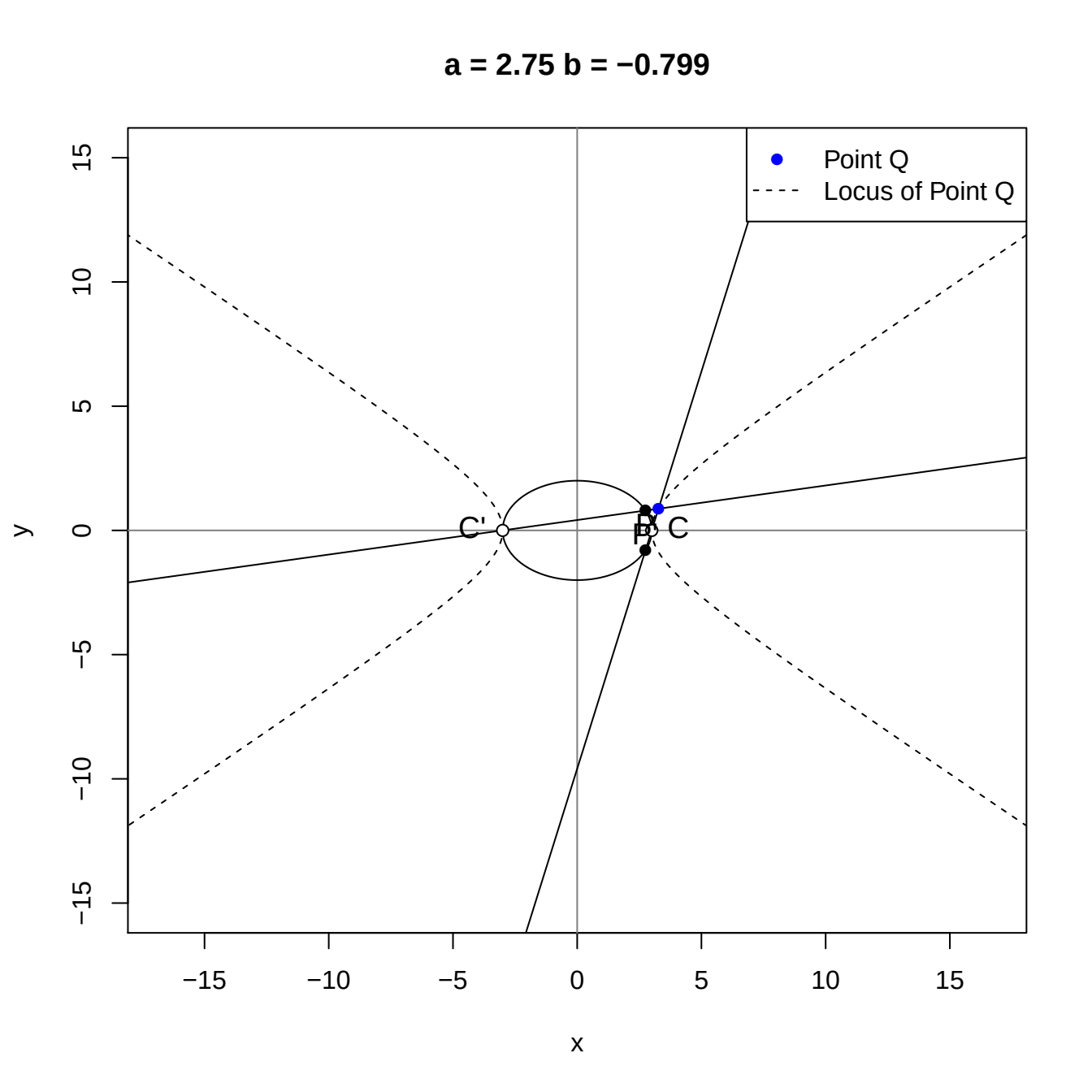

a = 2.95 b = 0.364
Point Q
Locus of Point Q
P
C'
C
P'
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

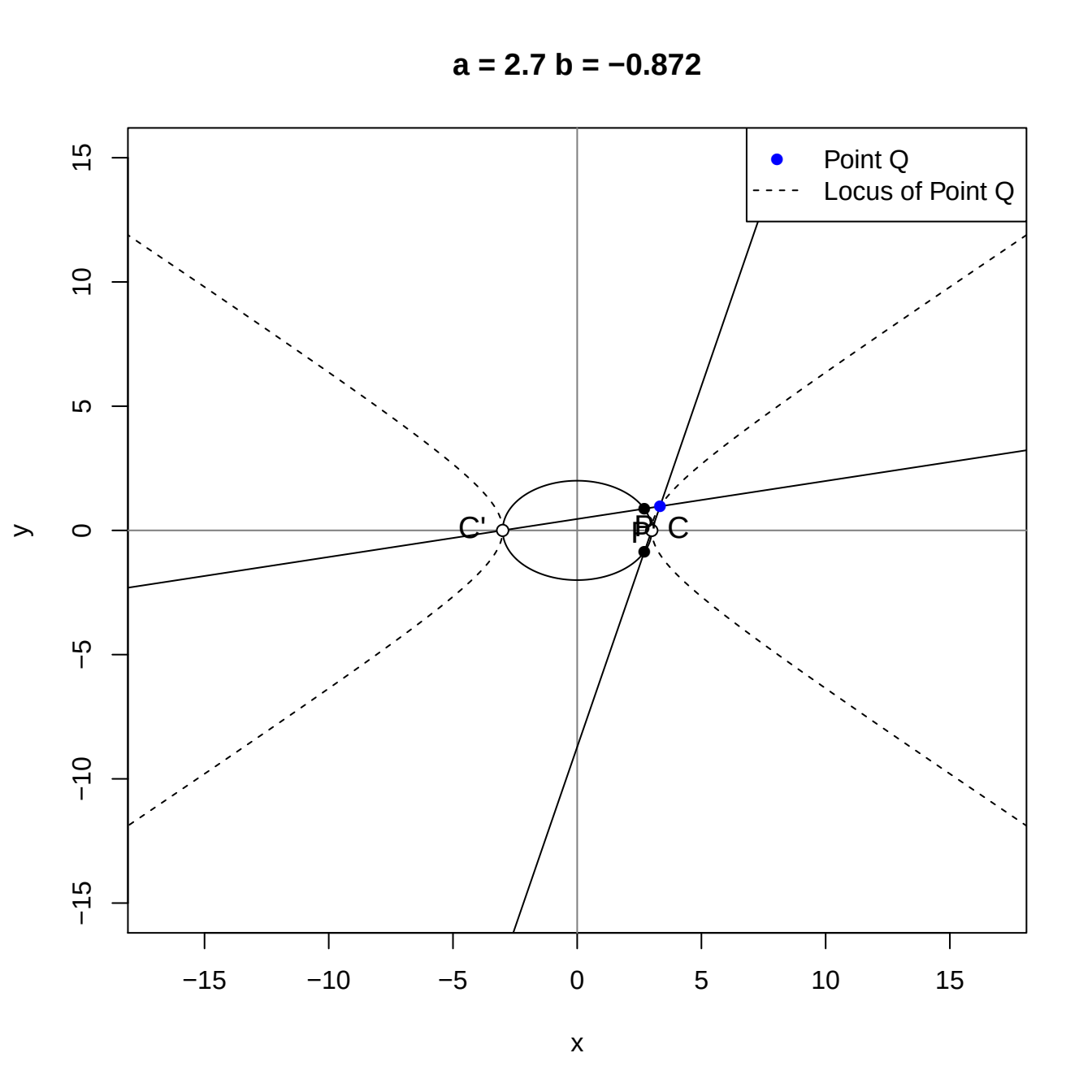

a = 2.95 b = −0.364
Point Q
Locus of Point Q
C'
C
y
x
15
10
5
0
−5
−10
−15

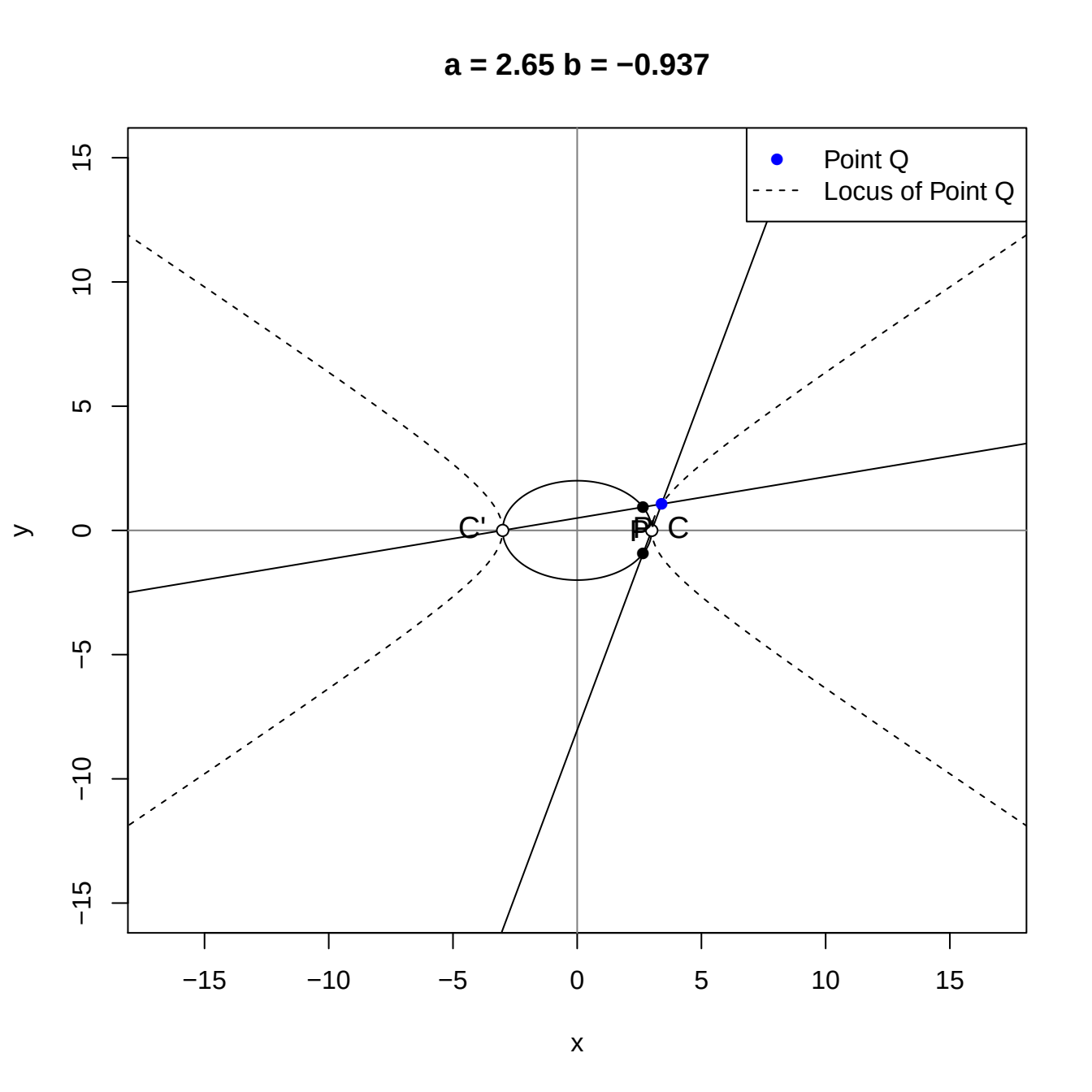

a = 2.9 b = −0.512
Point Q
Locus of Point Q
C'
C
y
x
15
10
5
0
−5
−10
−15

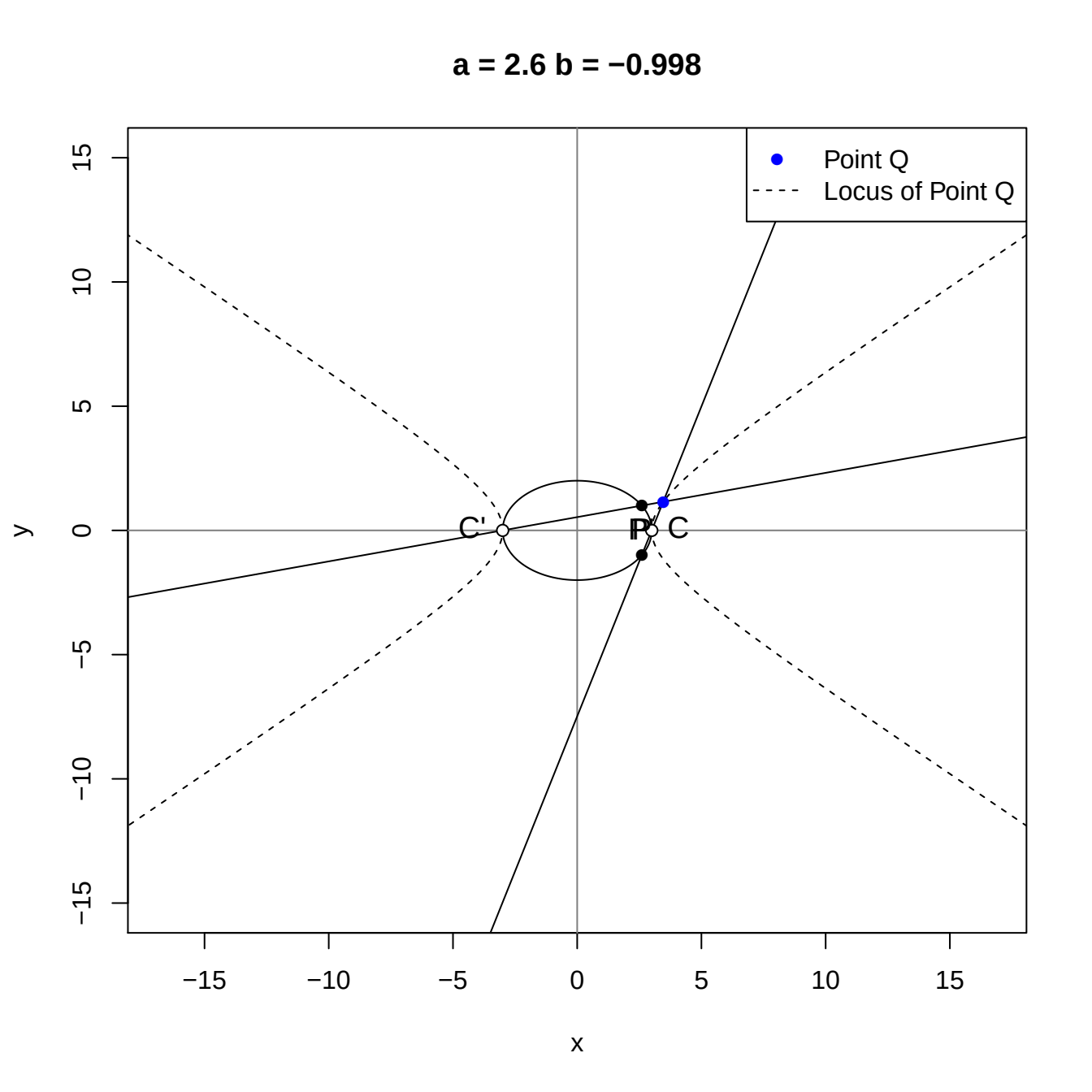

a = 2.85 b = −0.624
Point Q
Locus of Point Q
C'
C
P
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

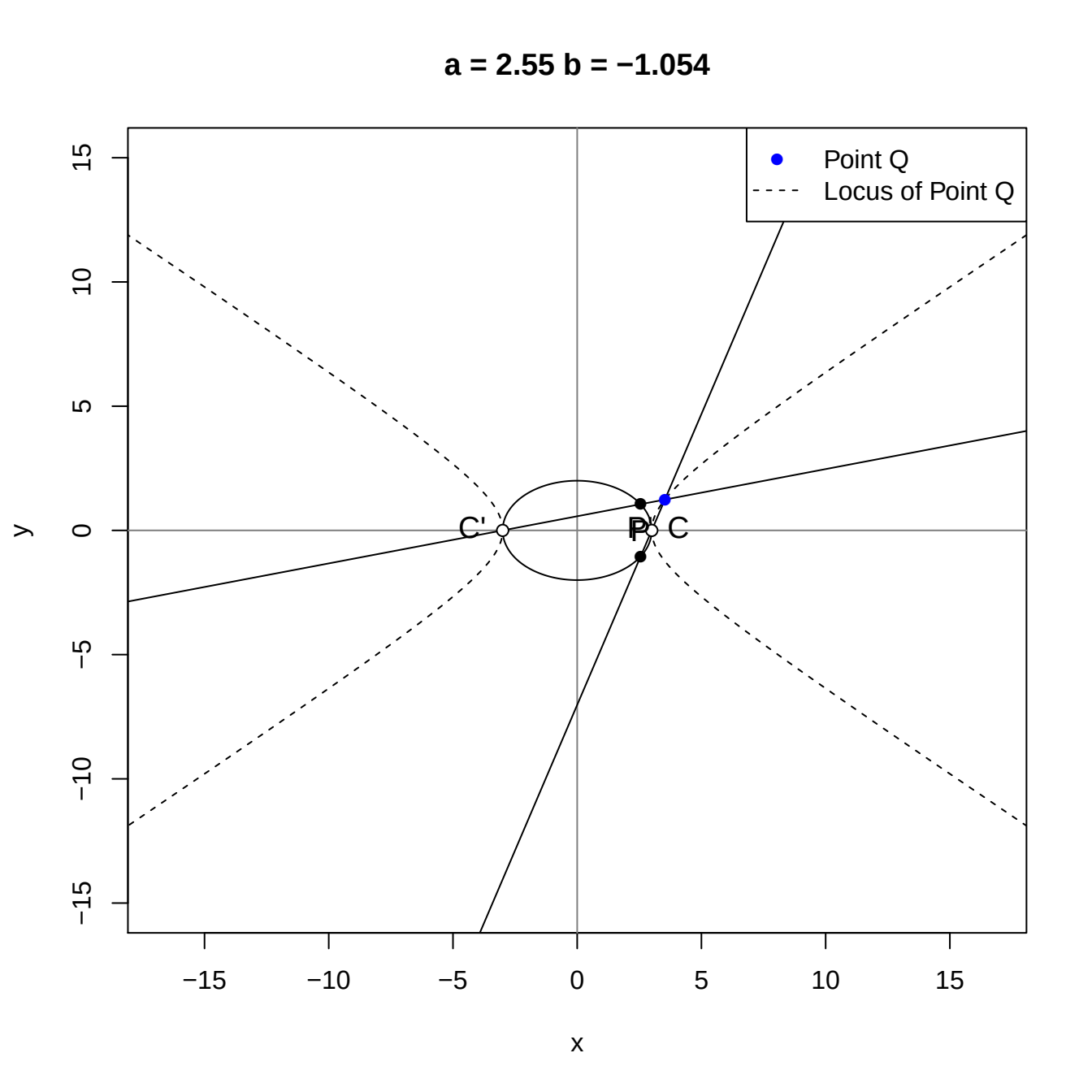

a = 2.8 b = −0.718
Point Q
Locus of Point Q
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

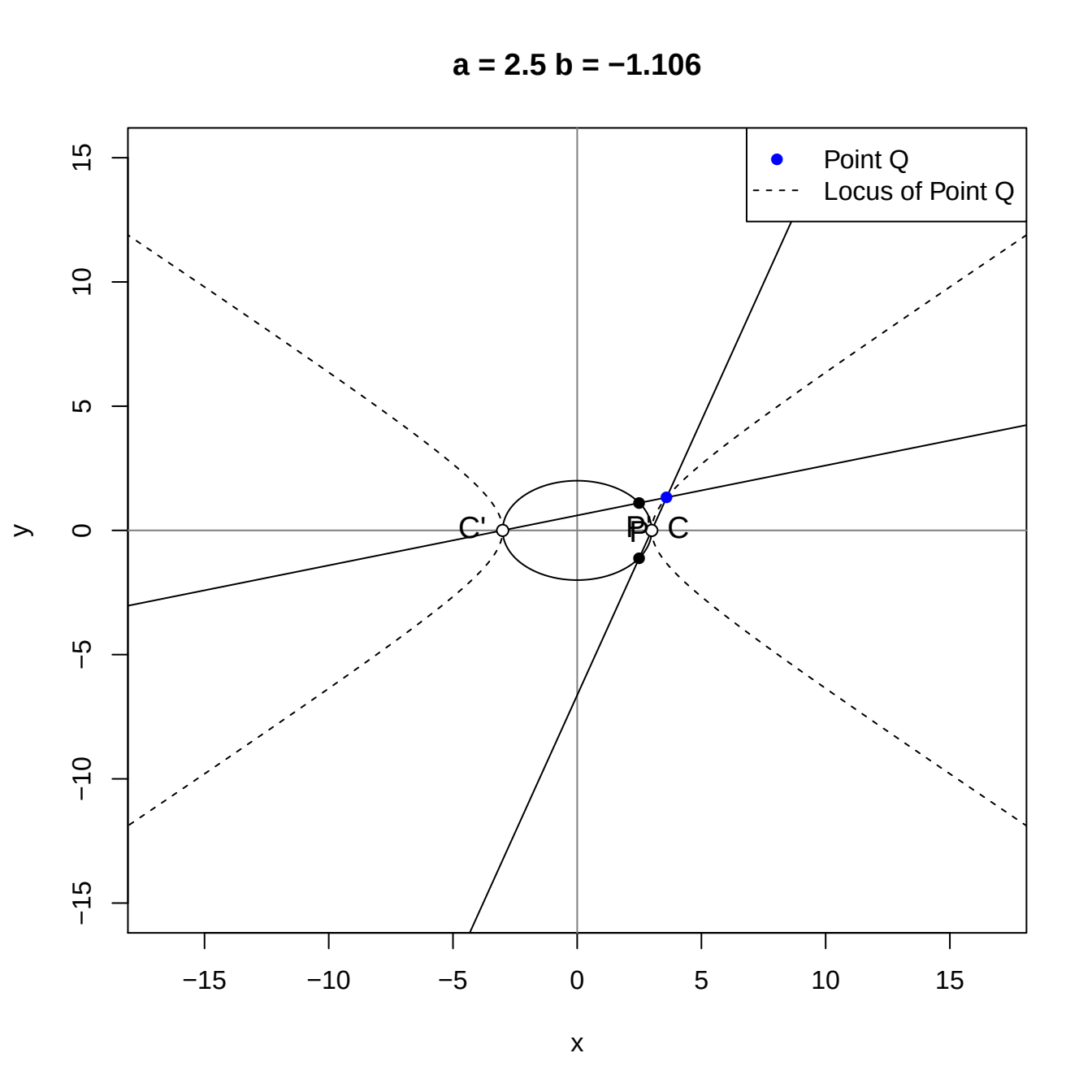

a = 2.75 b = −0.799
Point Q
Locus of Point Q
C'
B
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

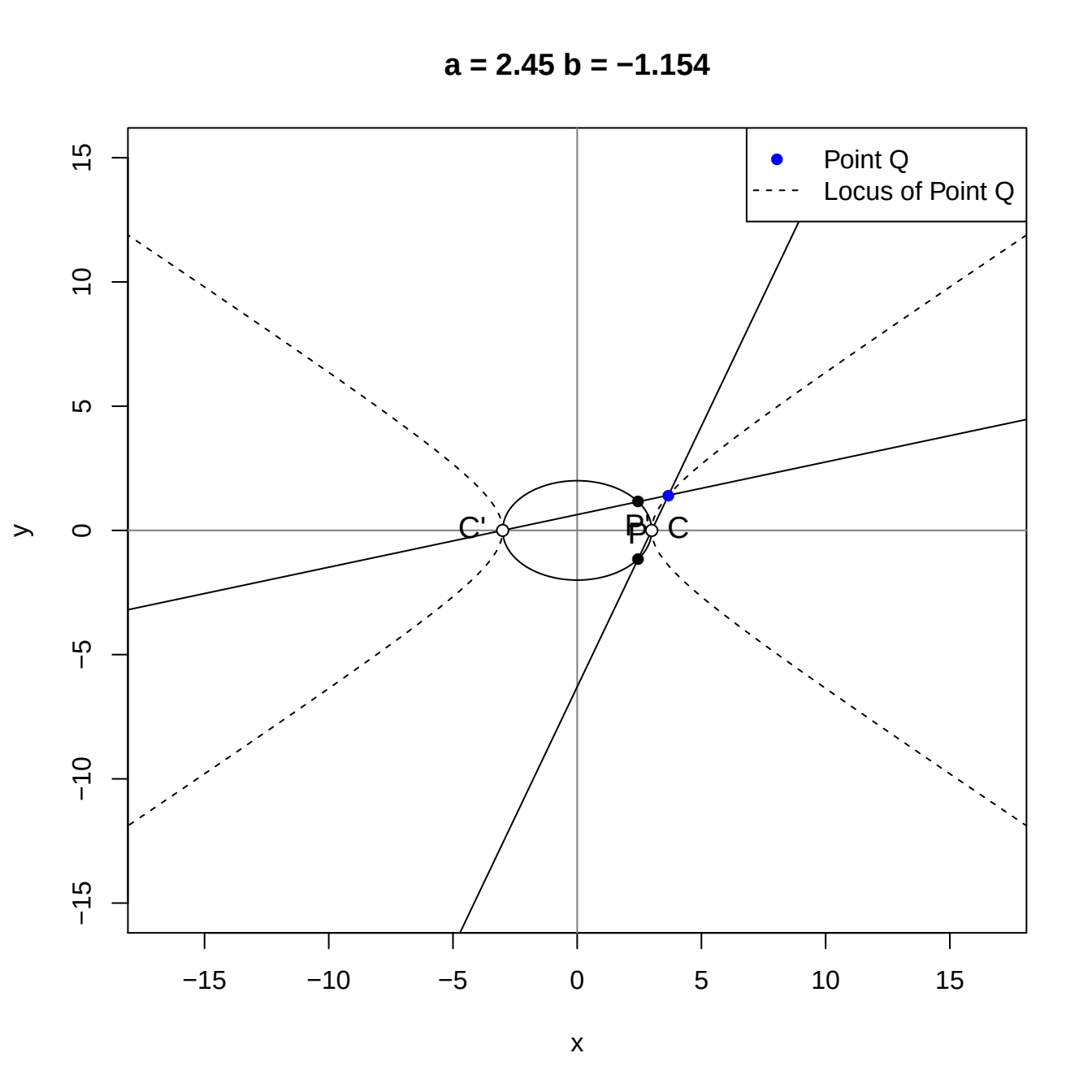

a = 2.7 b = −0.872
Point Q
Locus of Point Q
C'
C
P
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

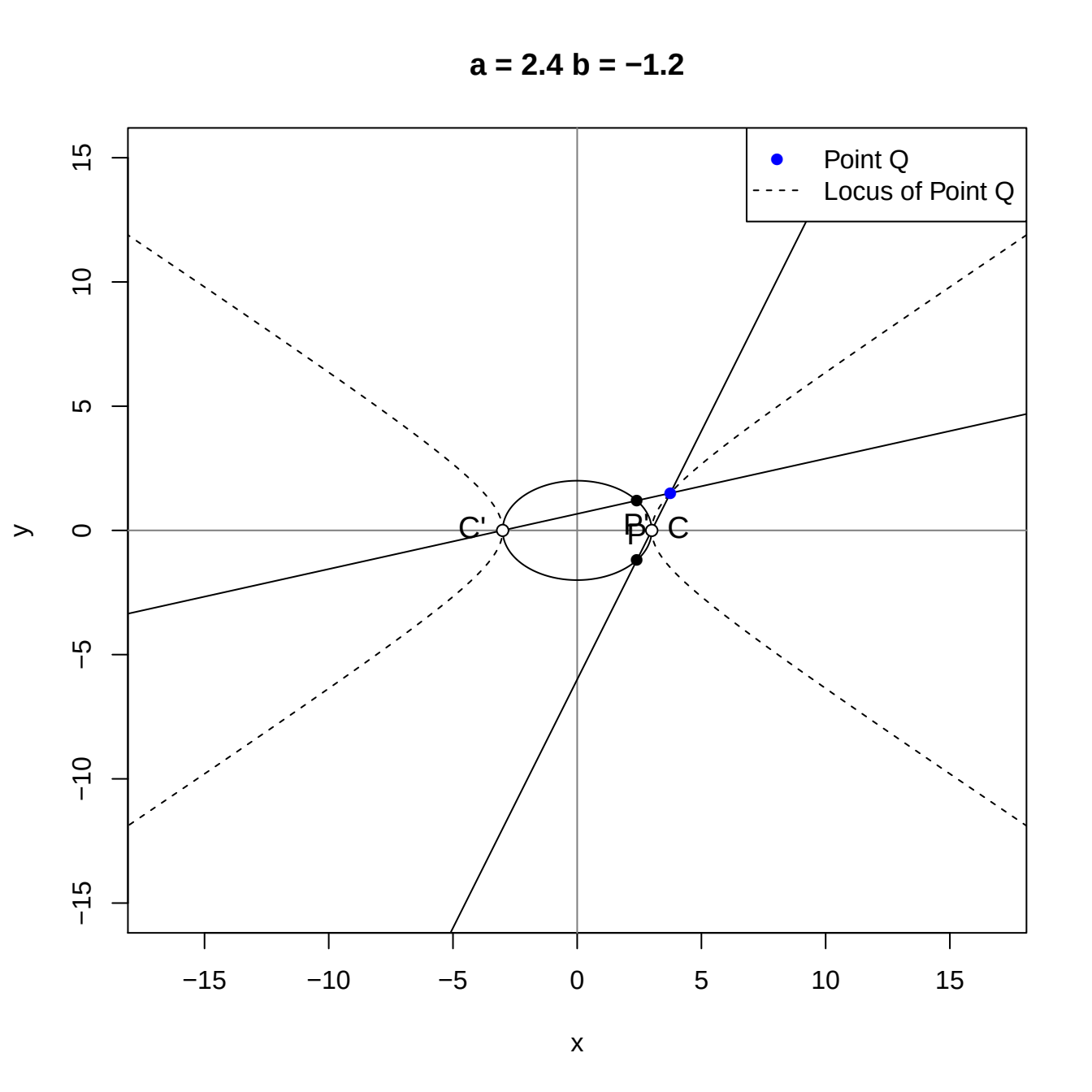

a = 2.65 b = −0.937
Point Q
Locus of Point Q
C'
P
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

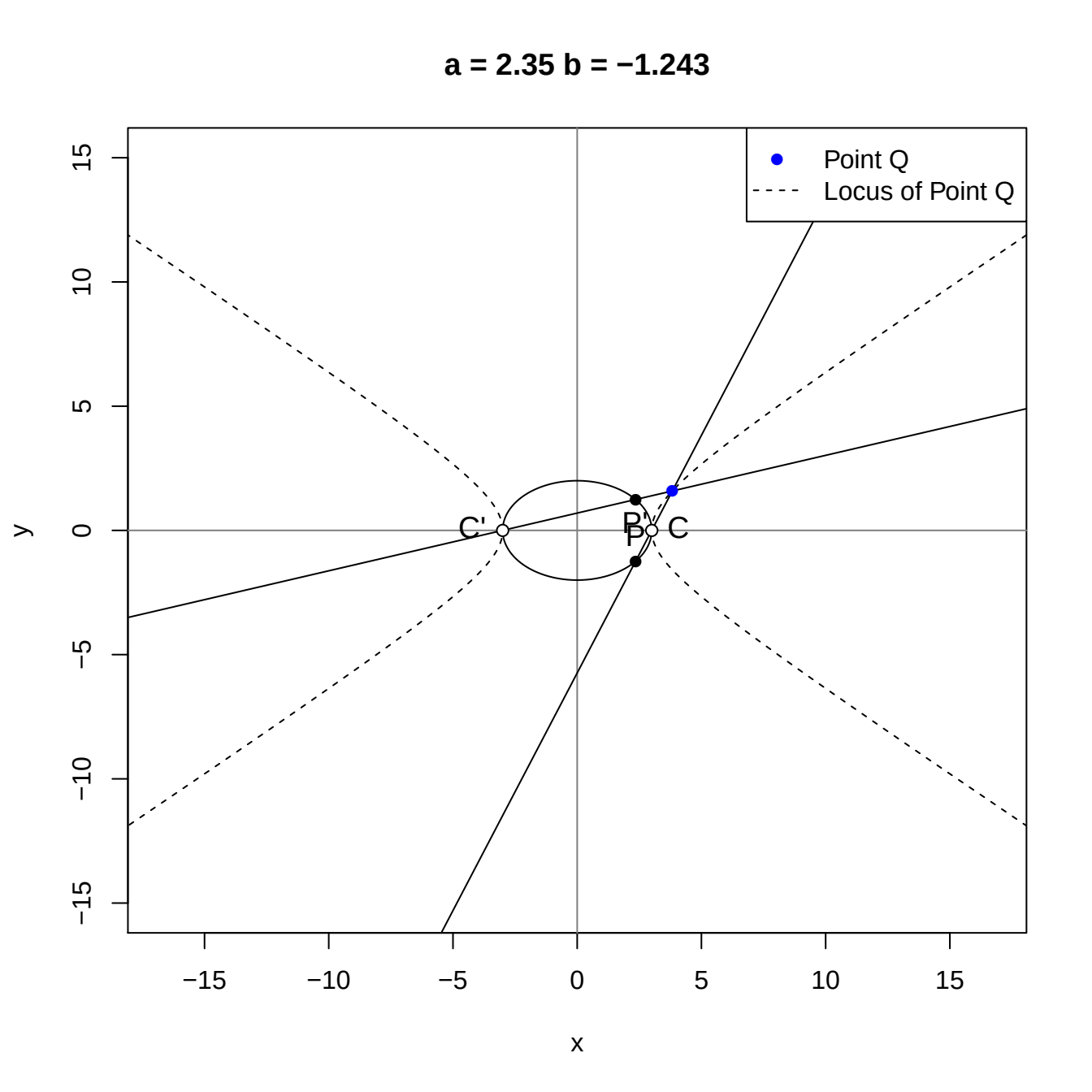

a = 2.6 b = −0.998
Point Q
Locus of Point Q
C'
P
C
x
y
−15
−10
−5
0
5
10
15

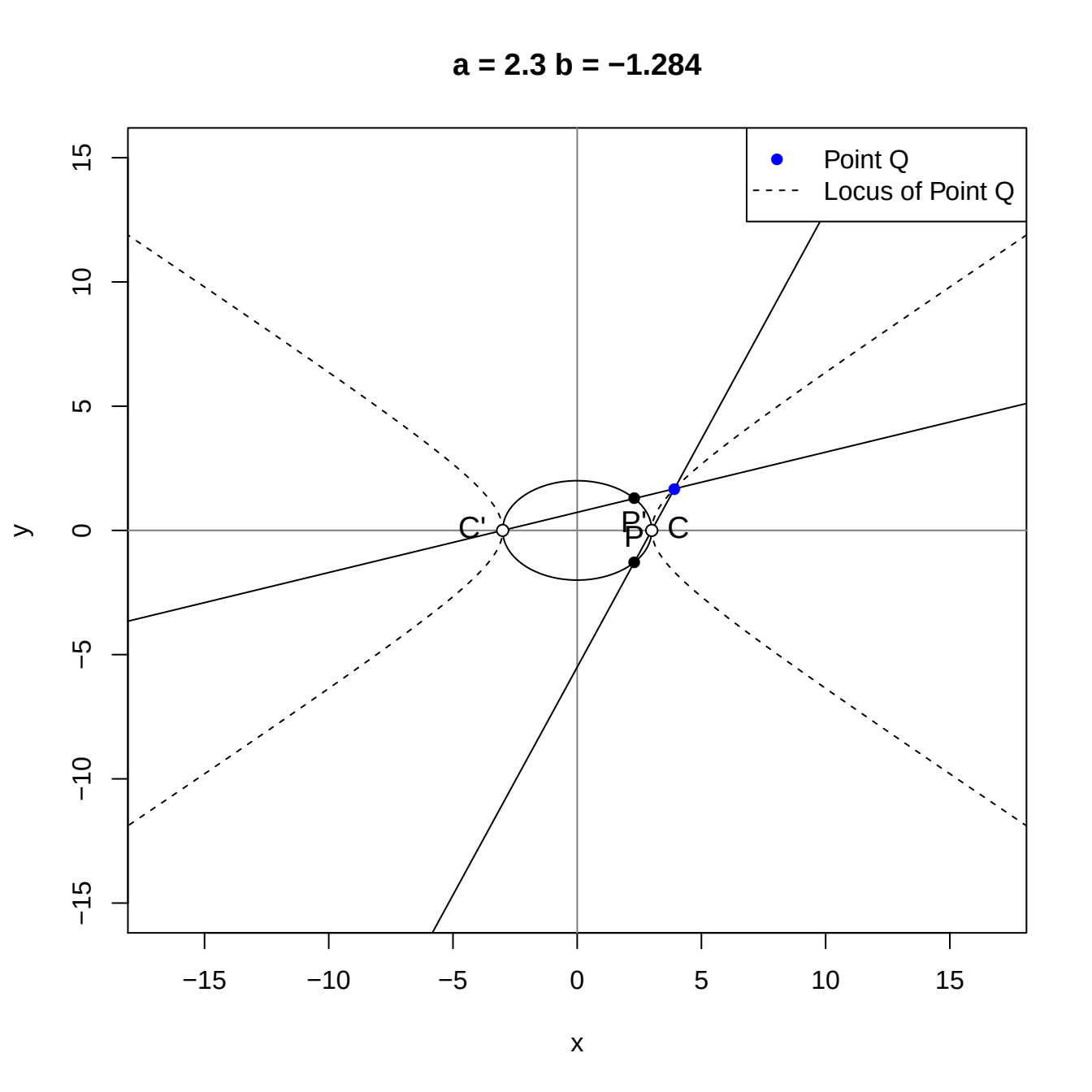

a = 2.55 b = −1.054
Point Q
Locus of Point Q
C'
P
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

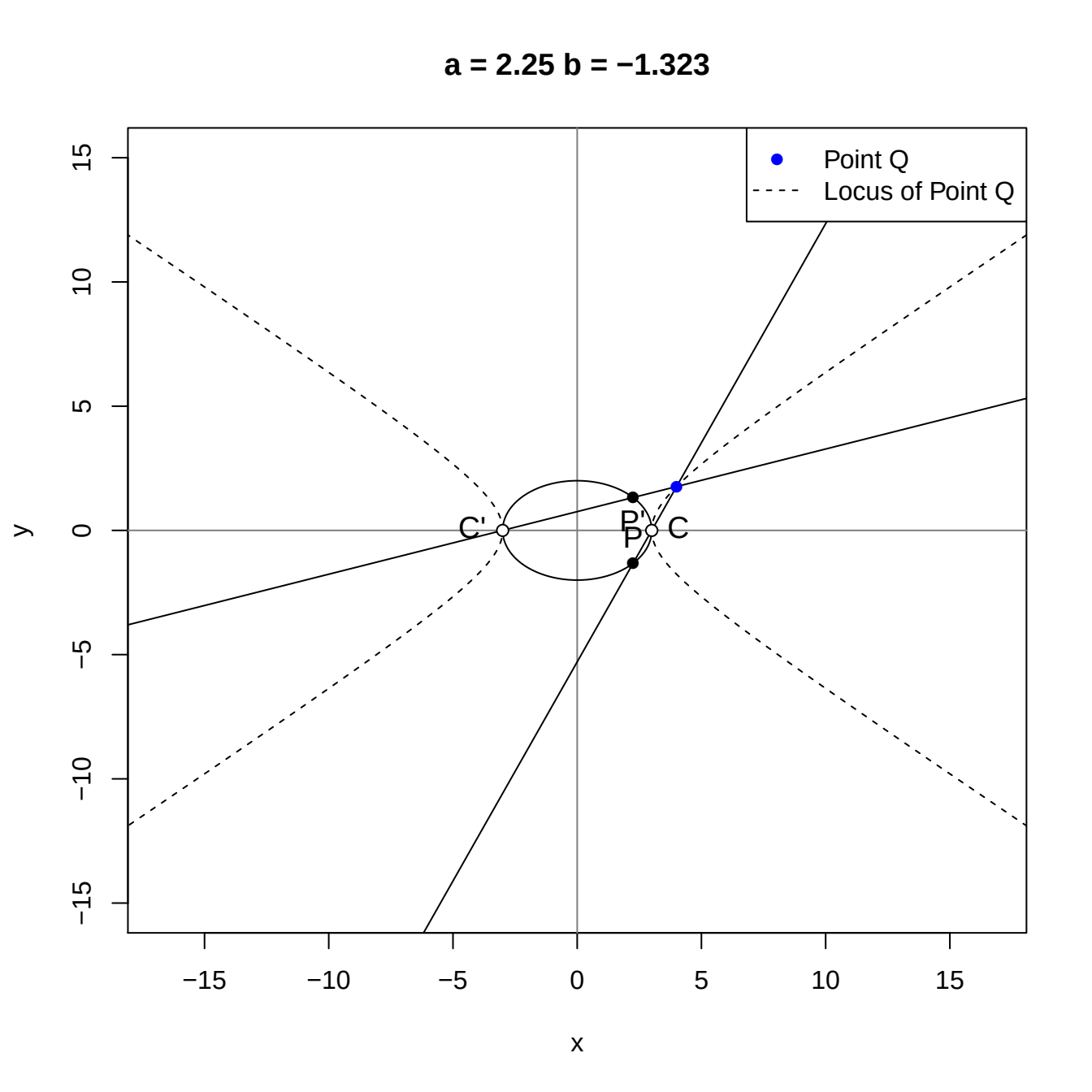

a = 2.5 b = −1.106
Point Q
Locus of Point Q
C'
P
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

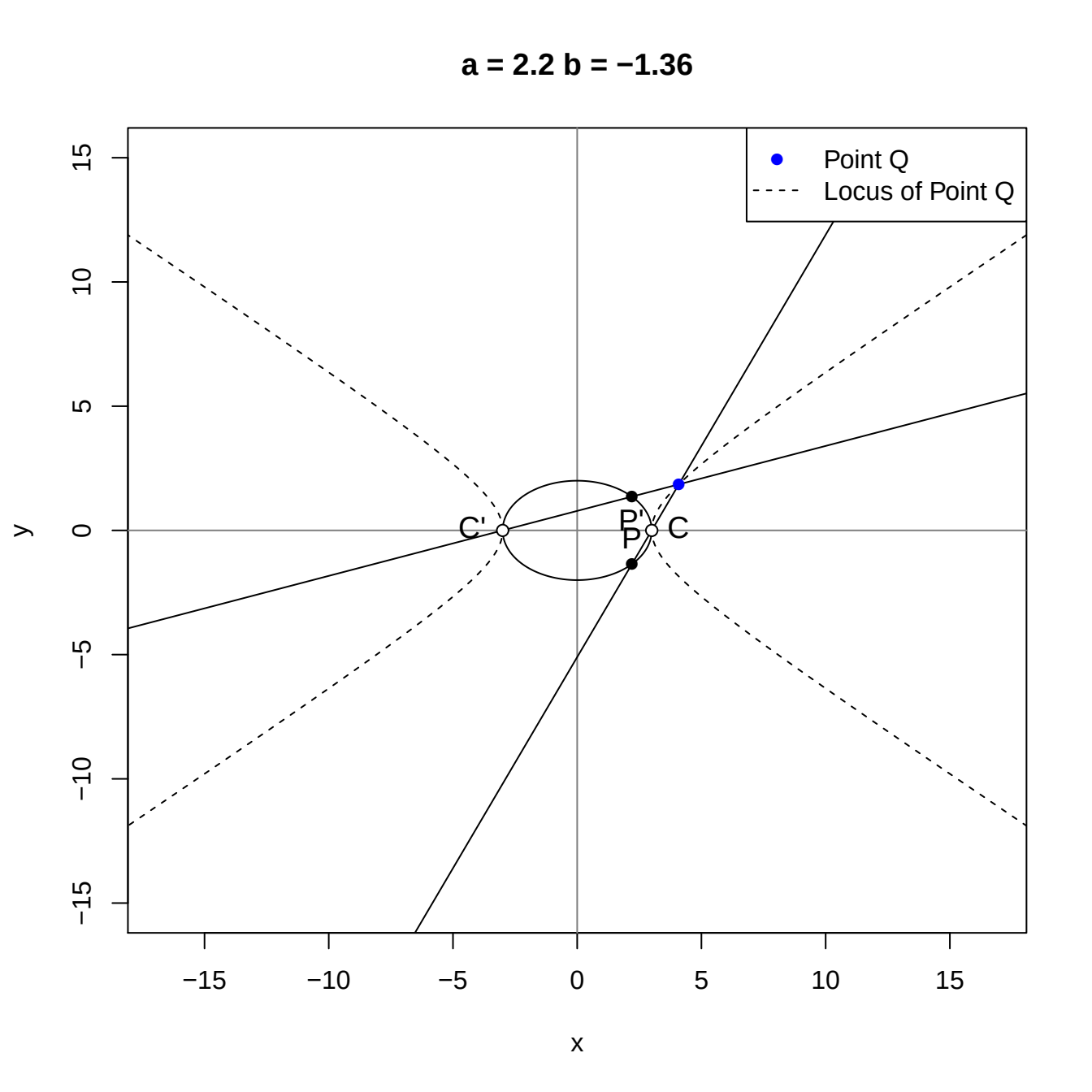

a = 2.45 b = −1.154
Point Q
Locus of Point Q
C'
P'
P
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

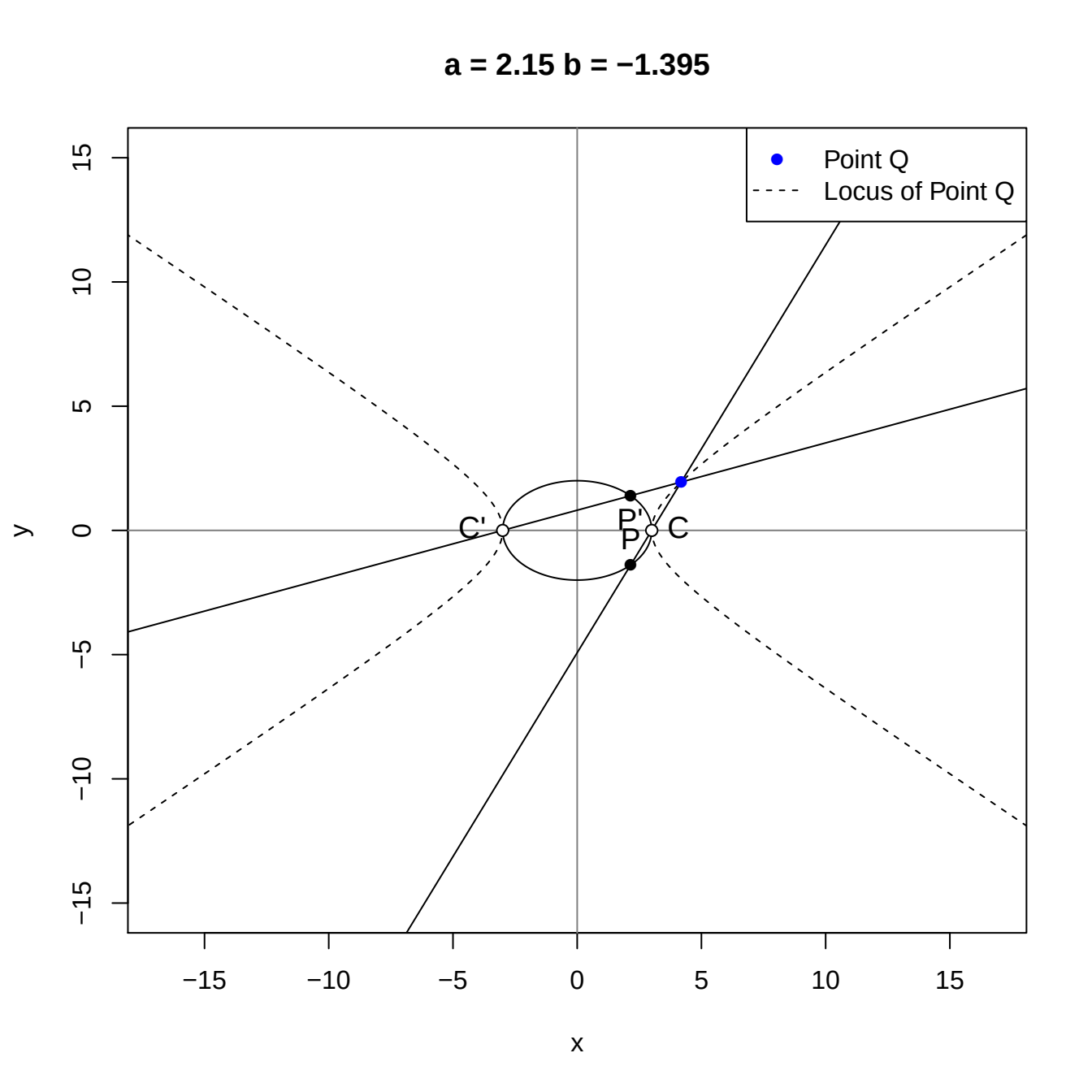

a = 2.4 b = −1.2
Point Q
Locus of Point Q
C'
P'
P
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

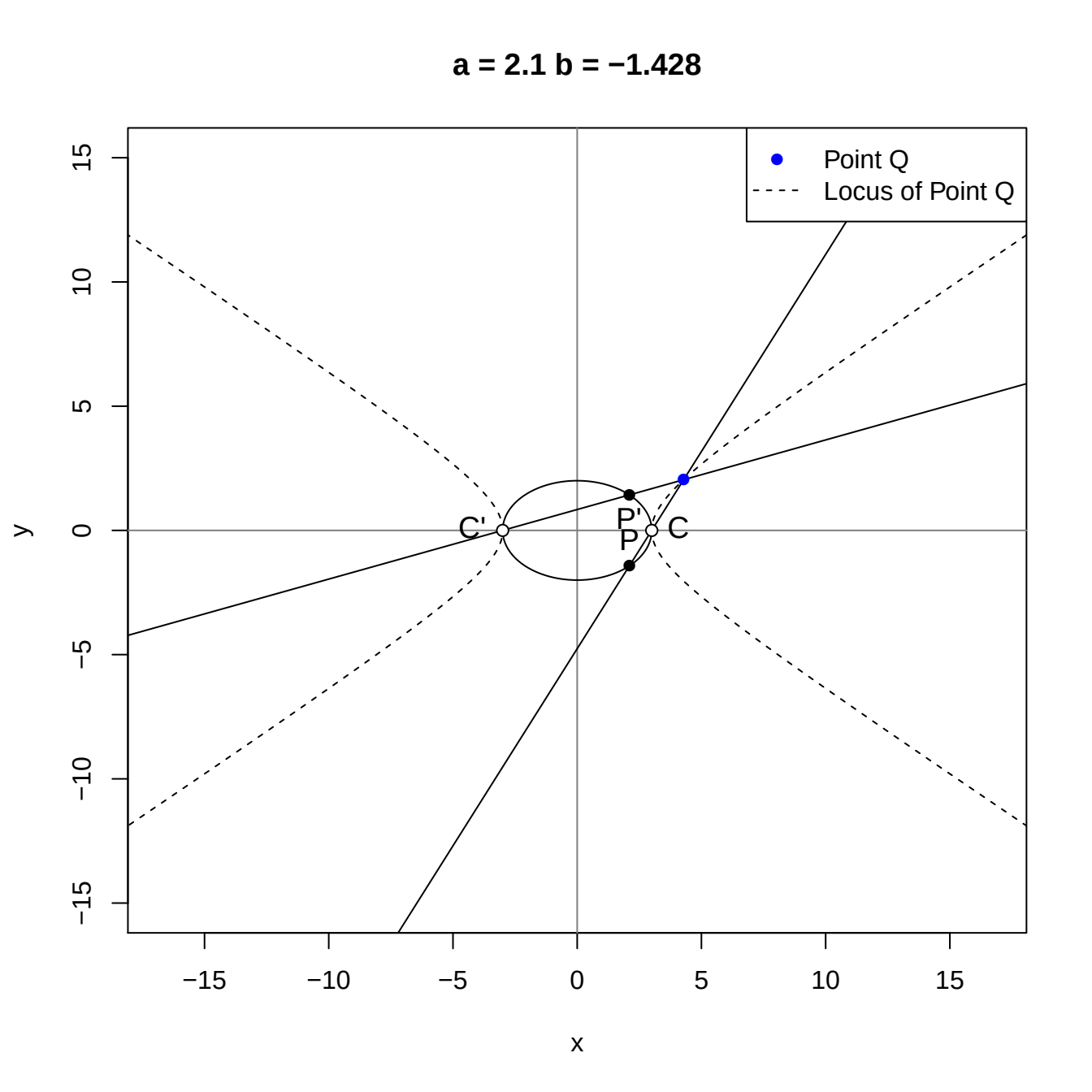

a = 2.35 b = −1.243
Point Q
Locus of Point Q
C'
P'
P
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

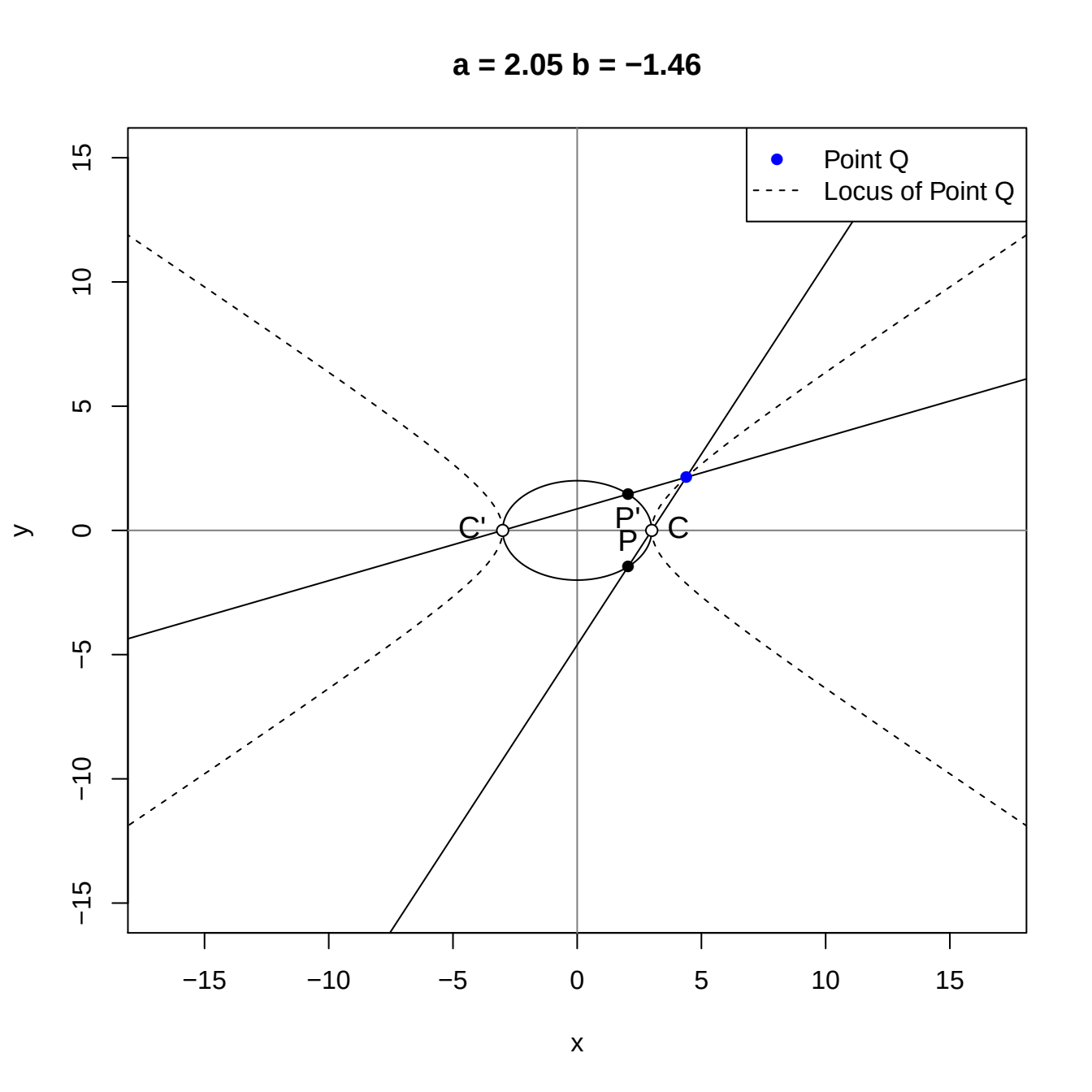

a = 2.3 b = −1.284
Point Q
Locus of Point Q
C'
P'
P
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

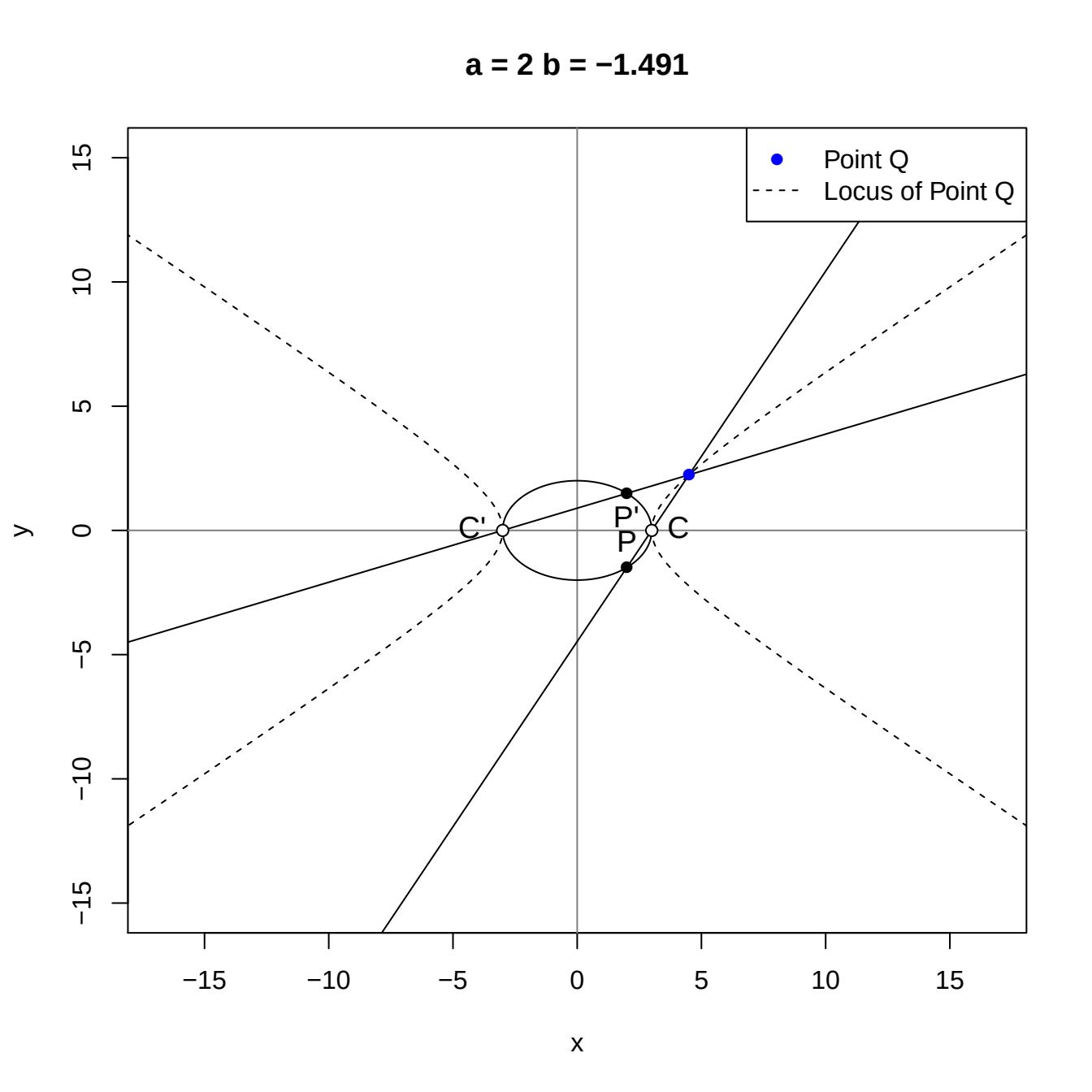

a = 2.25 b = −1.323
Point Q
Locus of Point Q
C'
P'
P
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

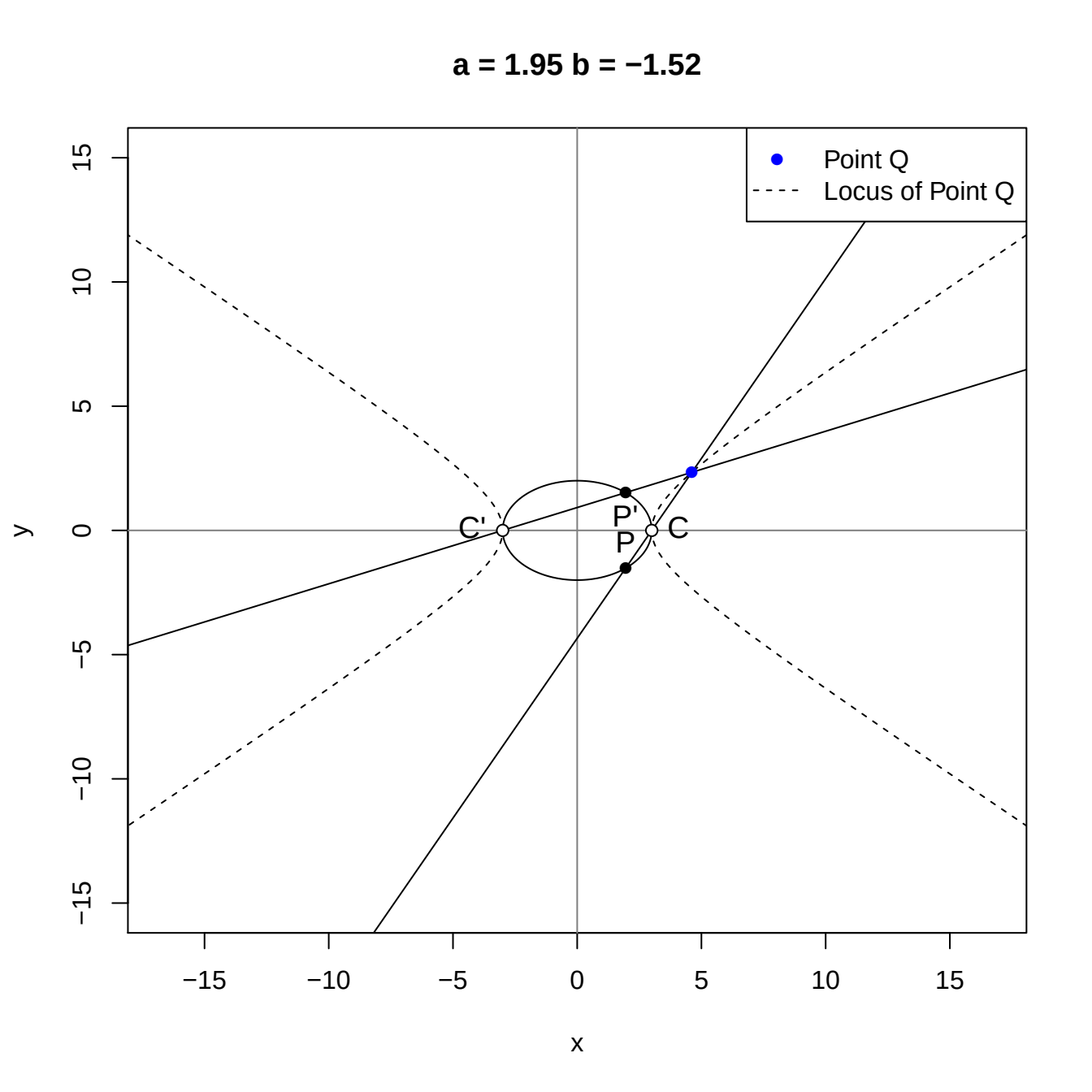

a = 2.2 b = −1.36
Point Q
Locus of Point Q
C'
P'
P
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

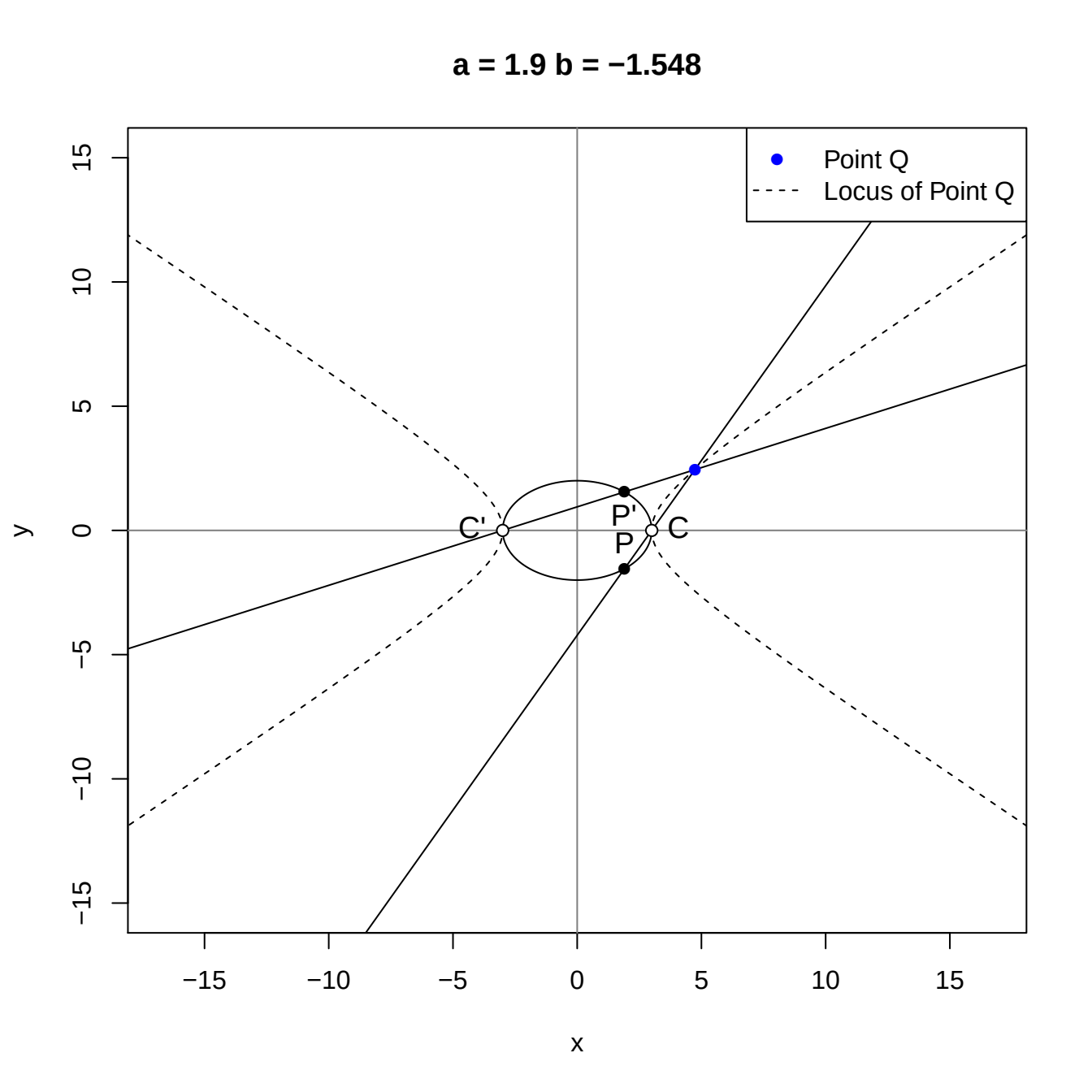

a = 2.15 b = −1.395
Point Q
Locus of Point Q
C'
P'
P
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

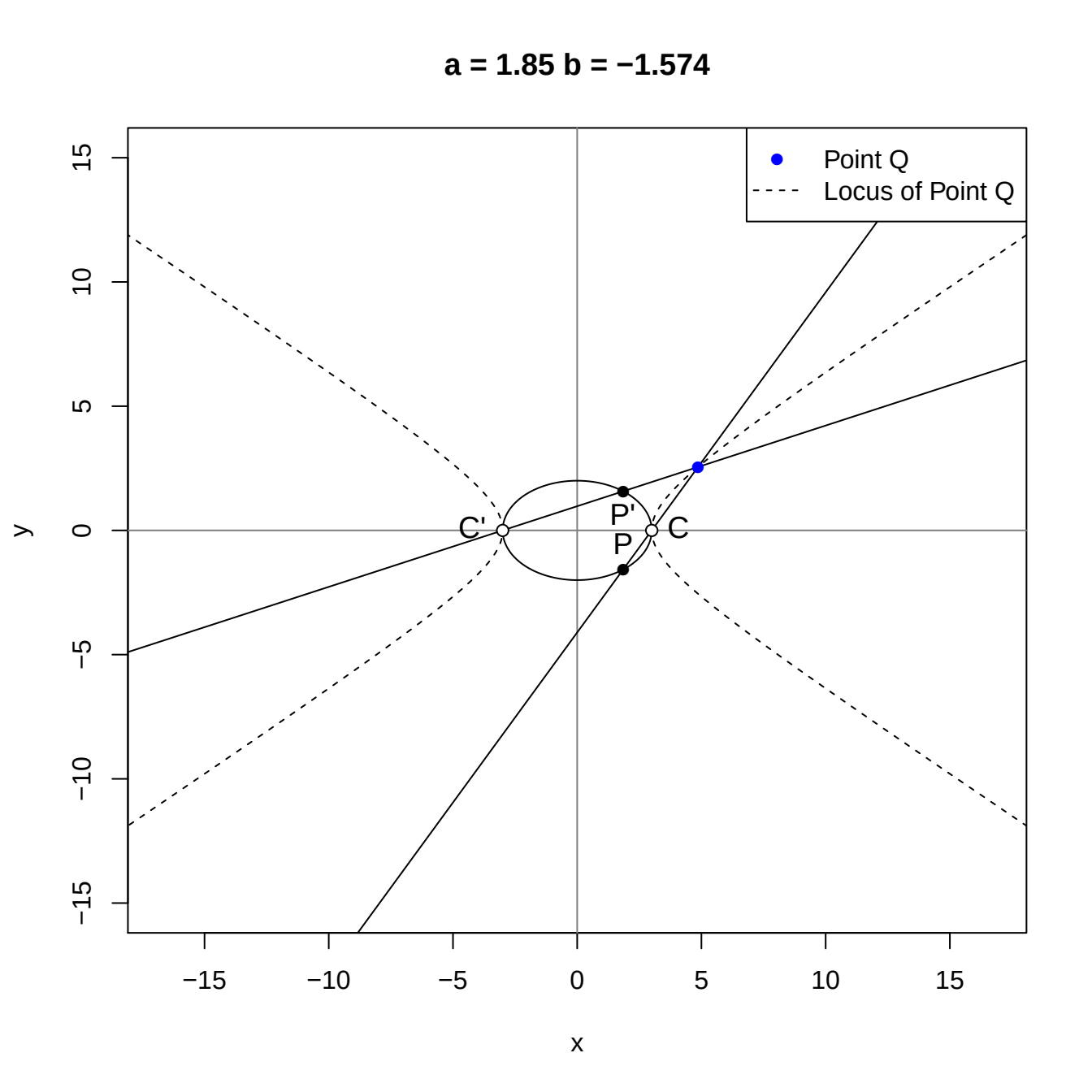

a = 2.1 b = −1.428
Point Q
Locus of Point Q
C'
P'
P
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

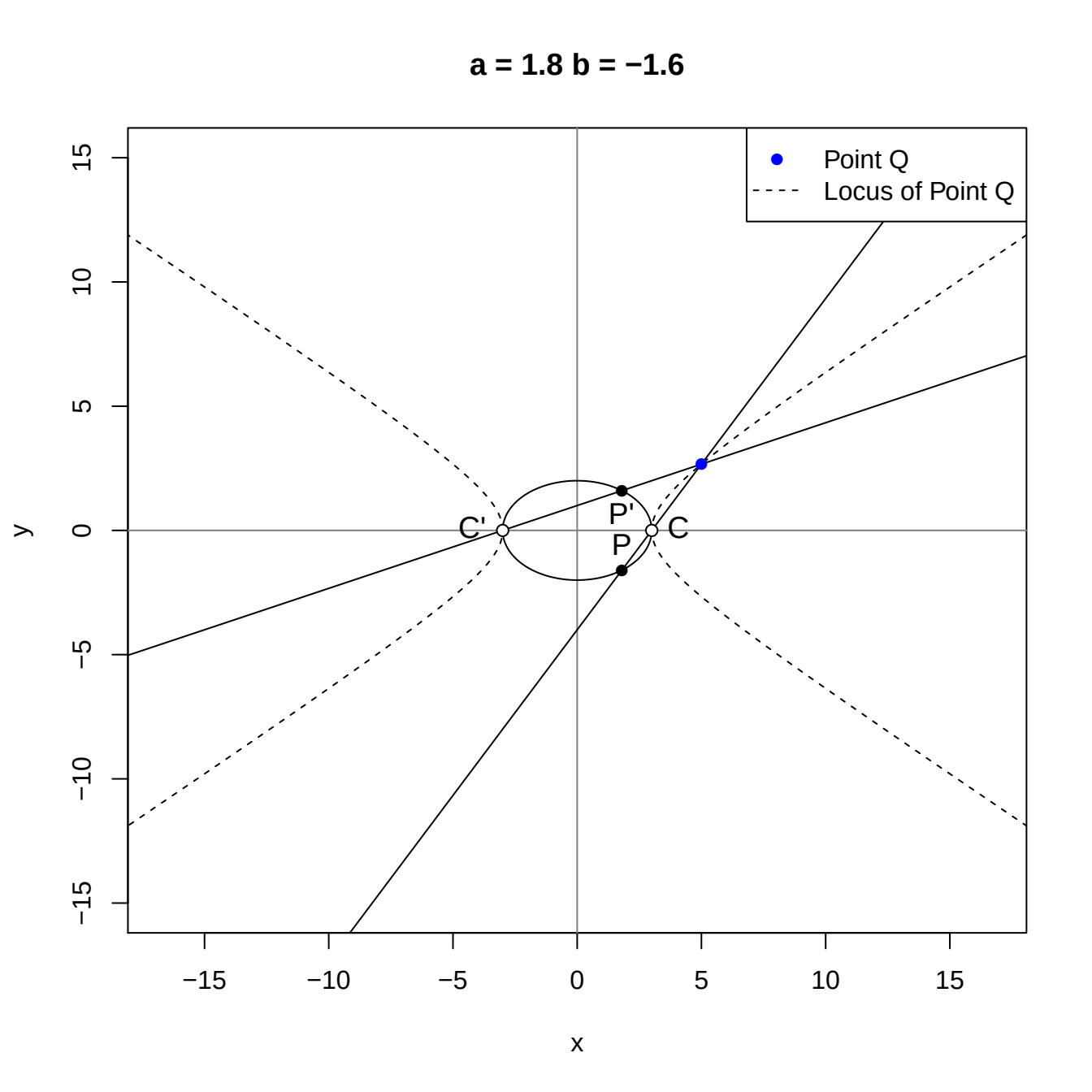

a = 2.05 b = −1.46
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

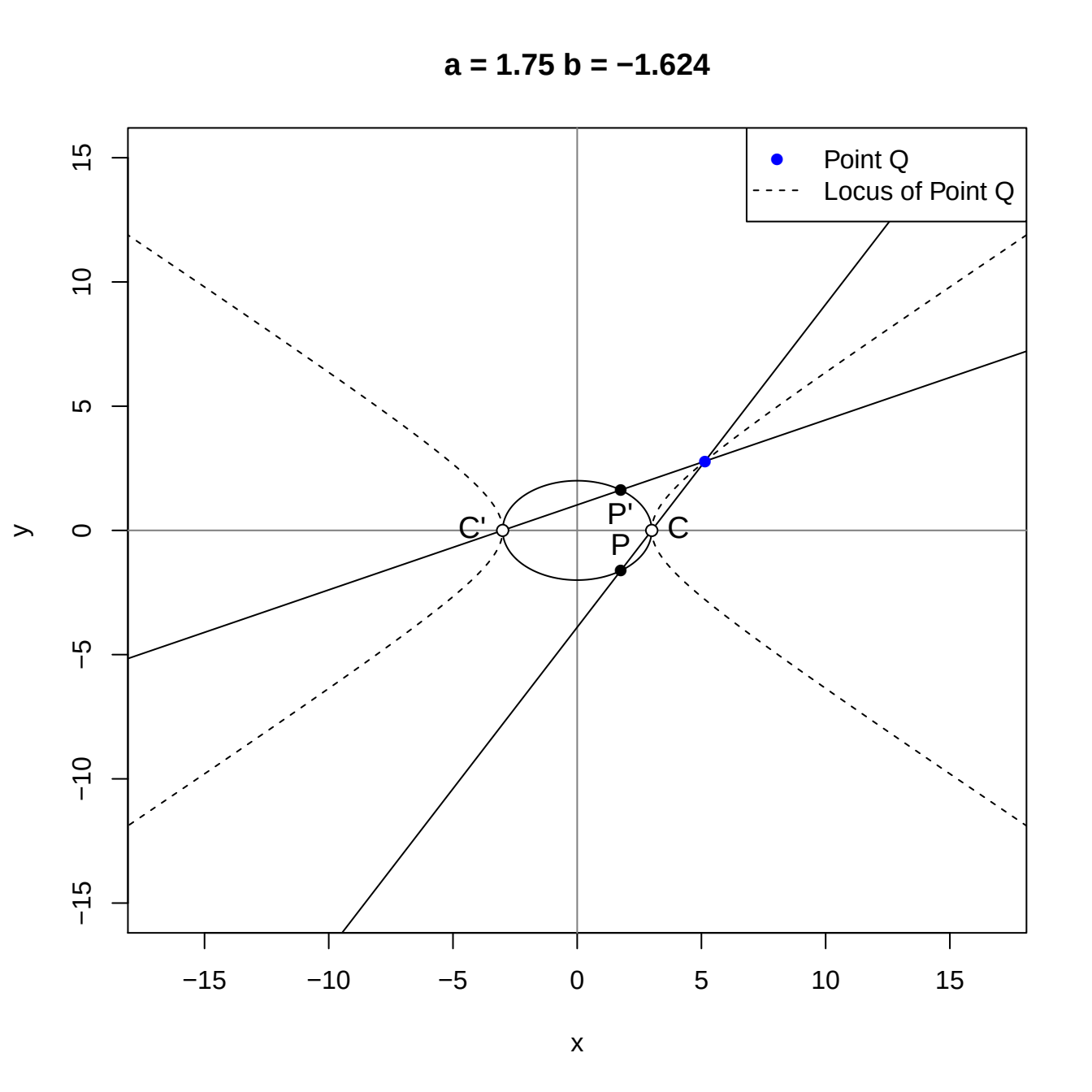

a = 2 b = −1.491
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

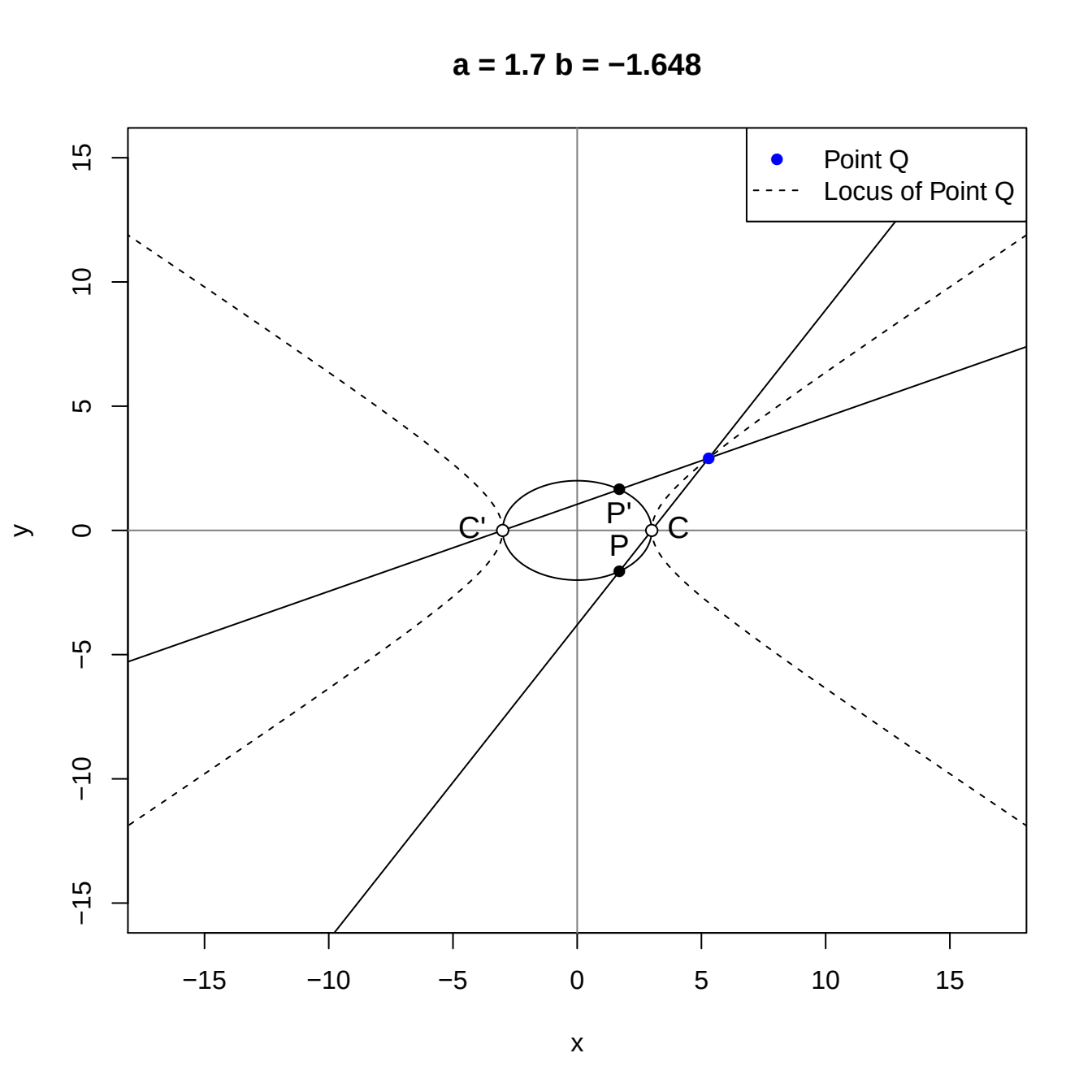

a = 1.95 b = −1.52
Point Q
Locus of Point Q
C'
C
P'
P
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

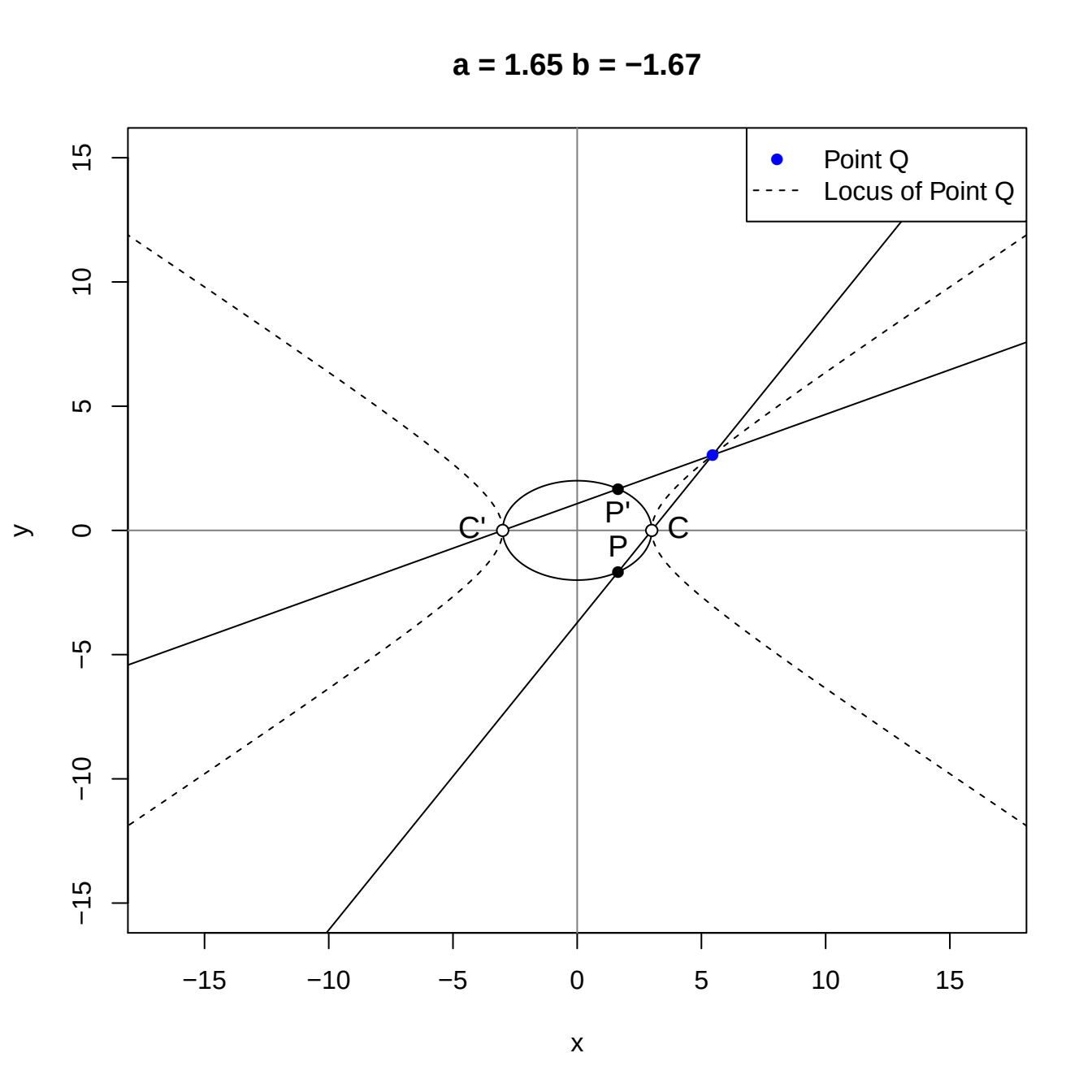

a = 1.9 b = −1.548
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

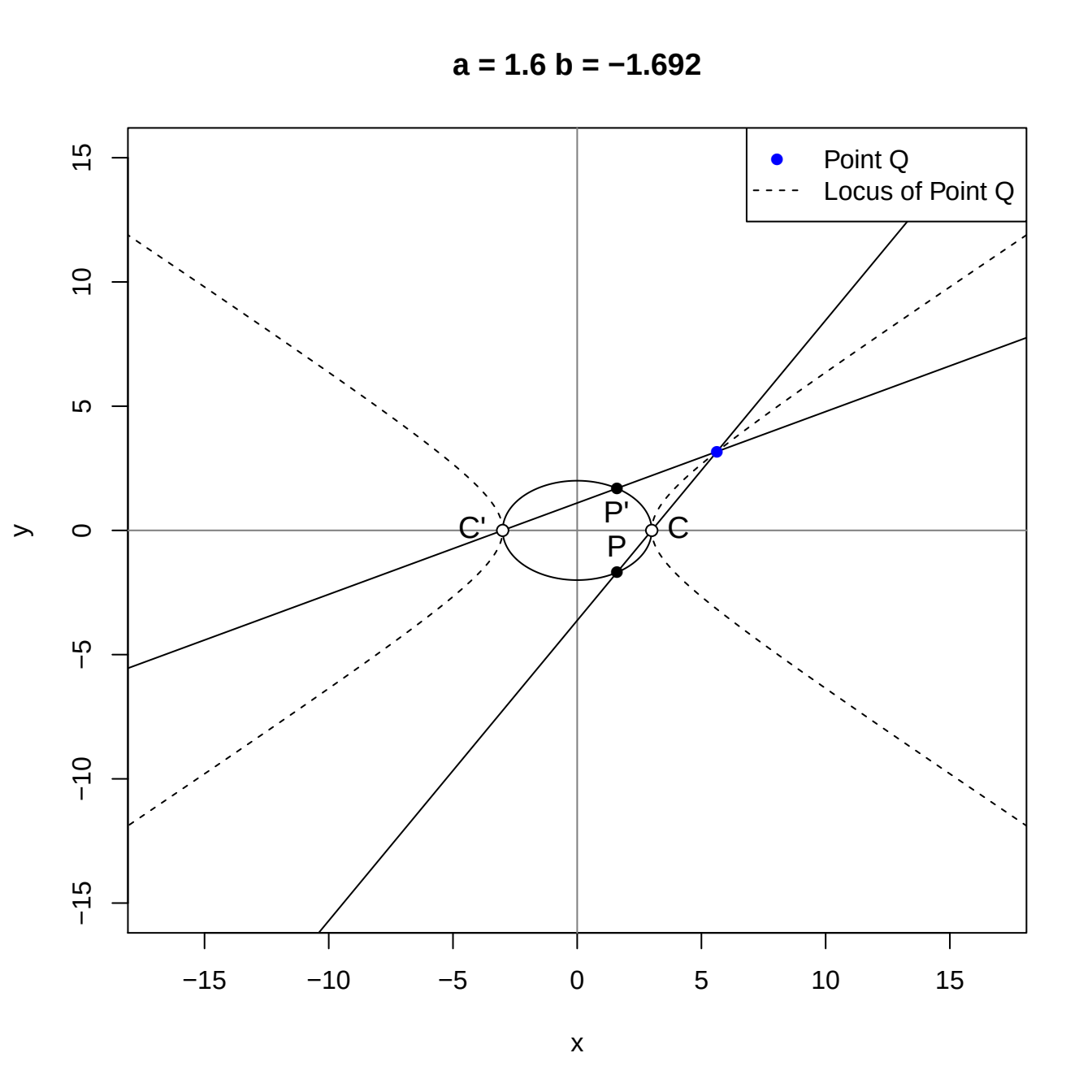

a = 1.85 b = −1.574
Point Q
Locus of Point Q
C'
C
P'
P
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15


a = 1.8 b = −1.6
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15


a = 1.75 b = −1.624
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15


a = 1.7 b = −1.648
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15


a = 1.65 b = −1.67
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15


a = 1.6 b = −1.692
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
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10
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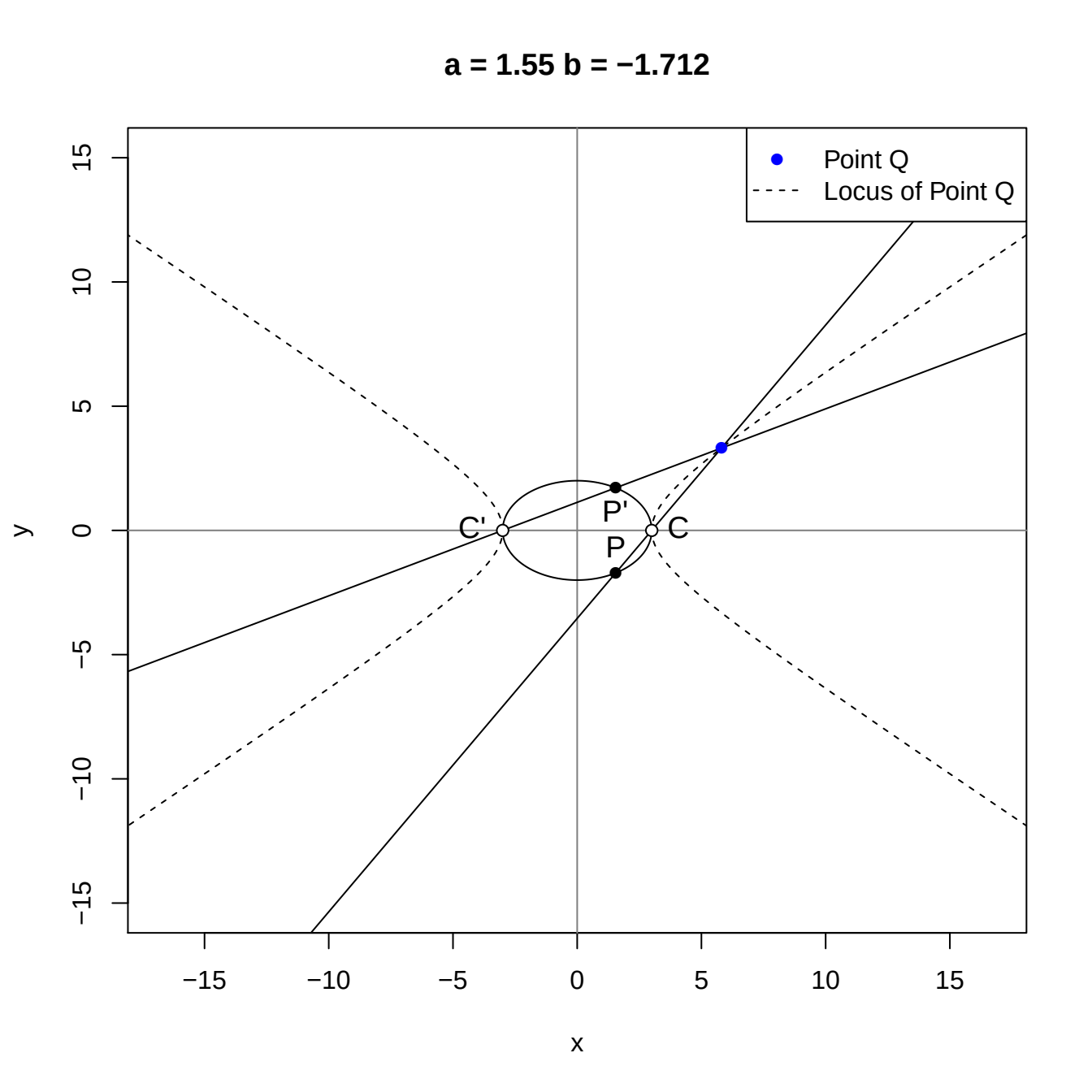
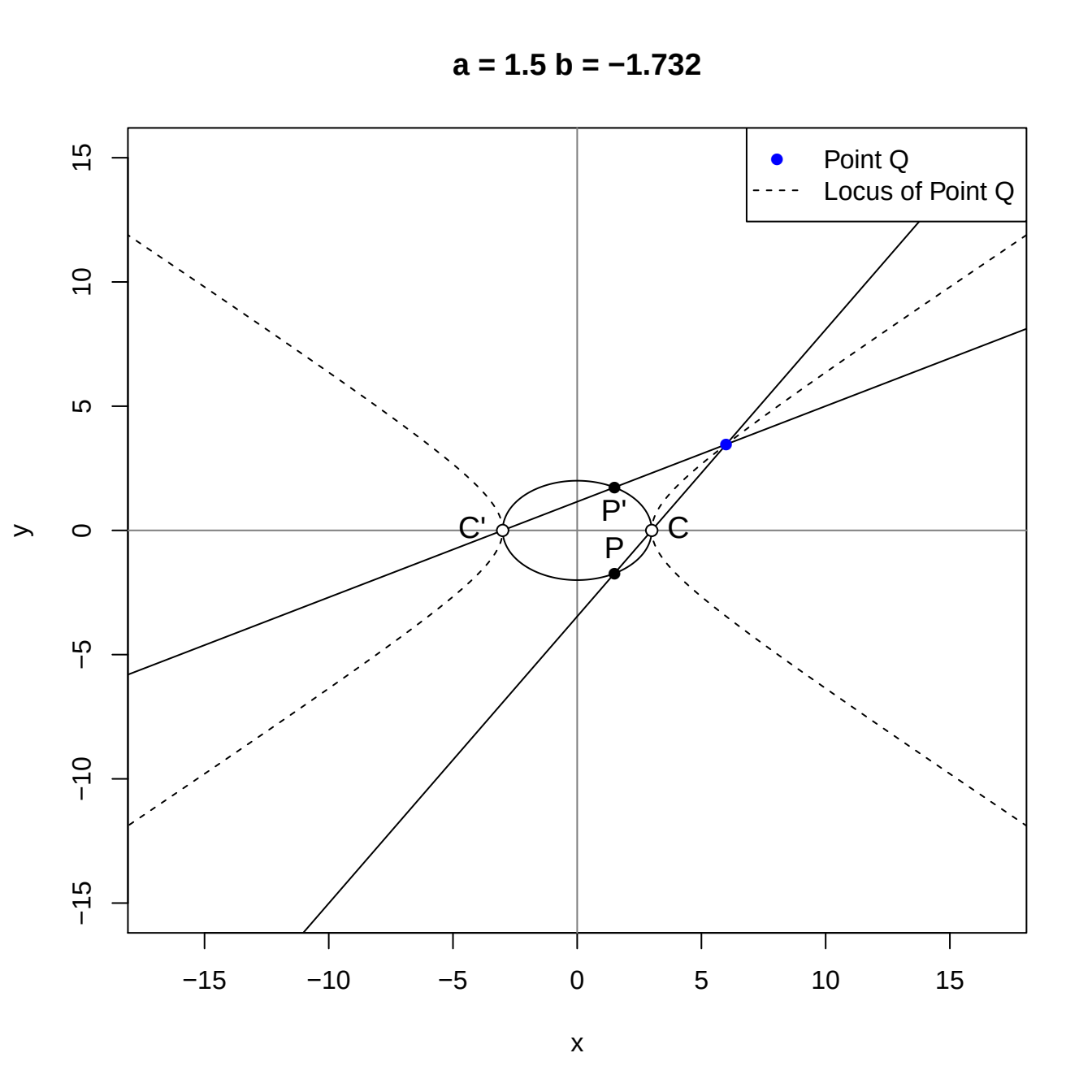
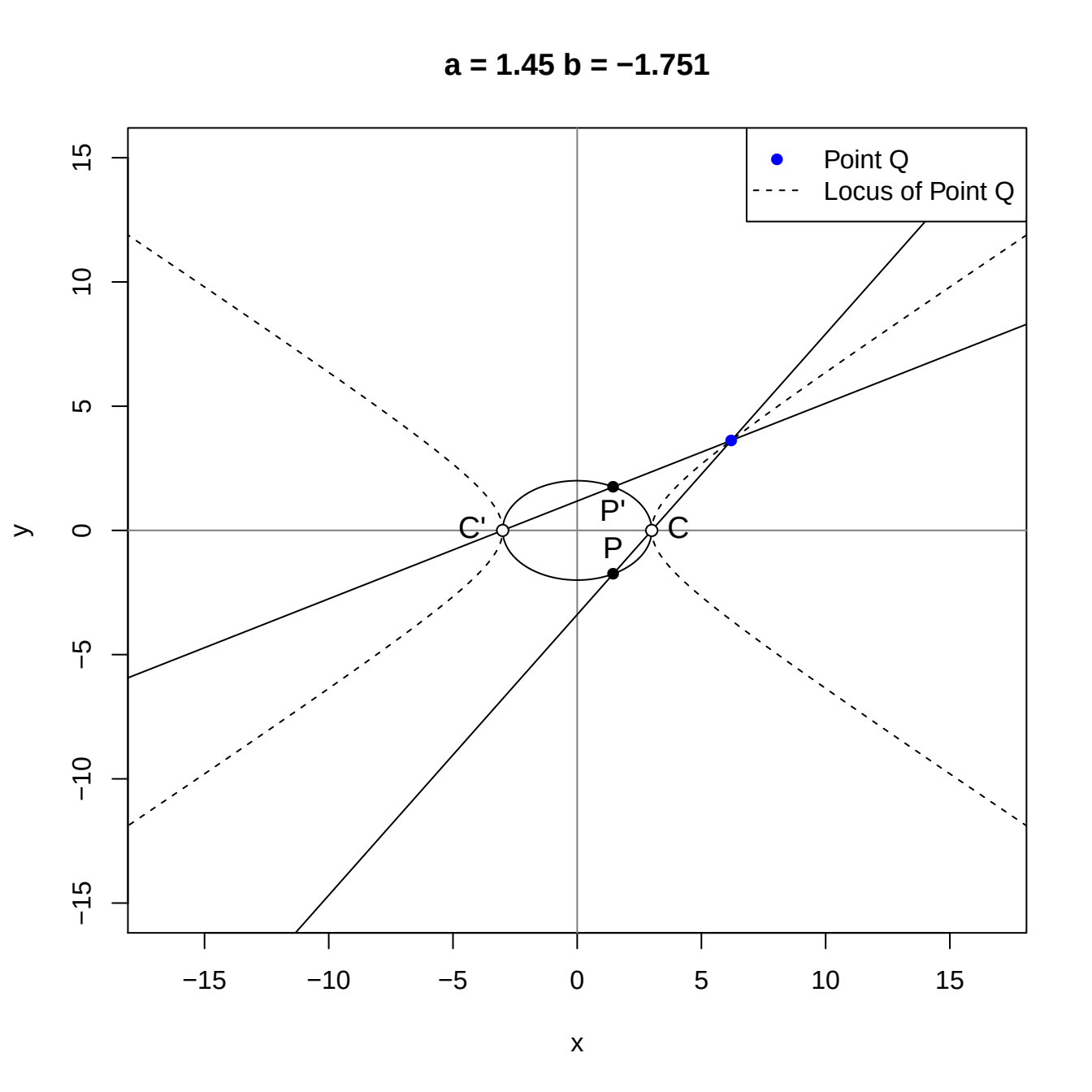
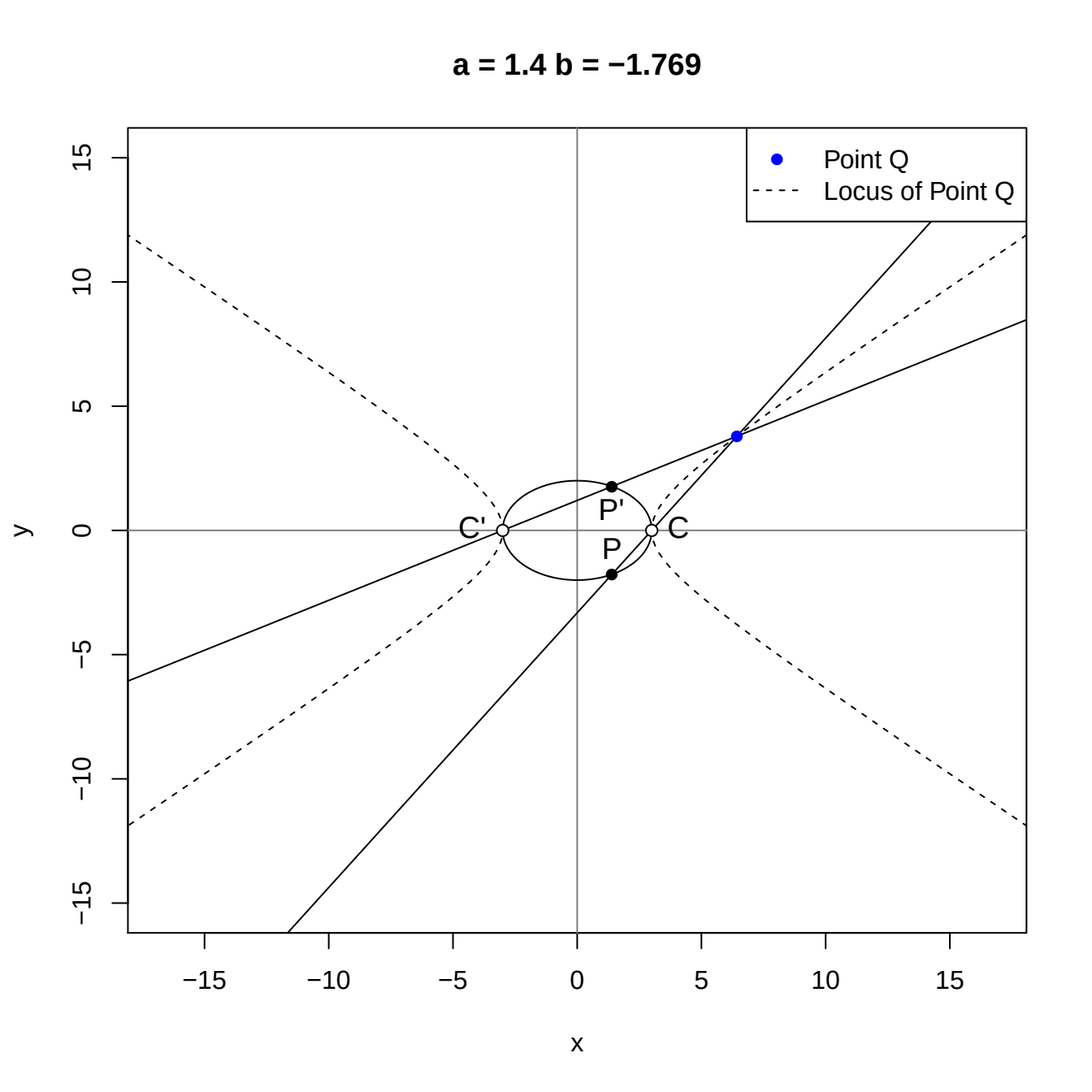
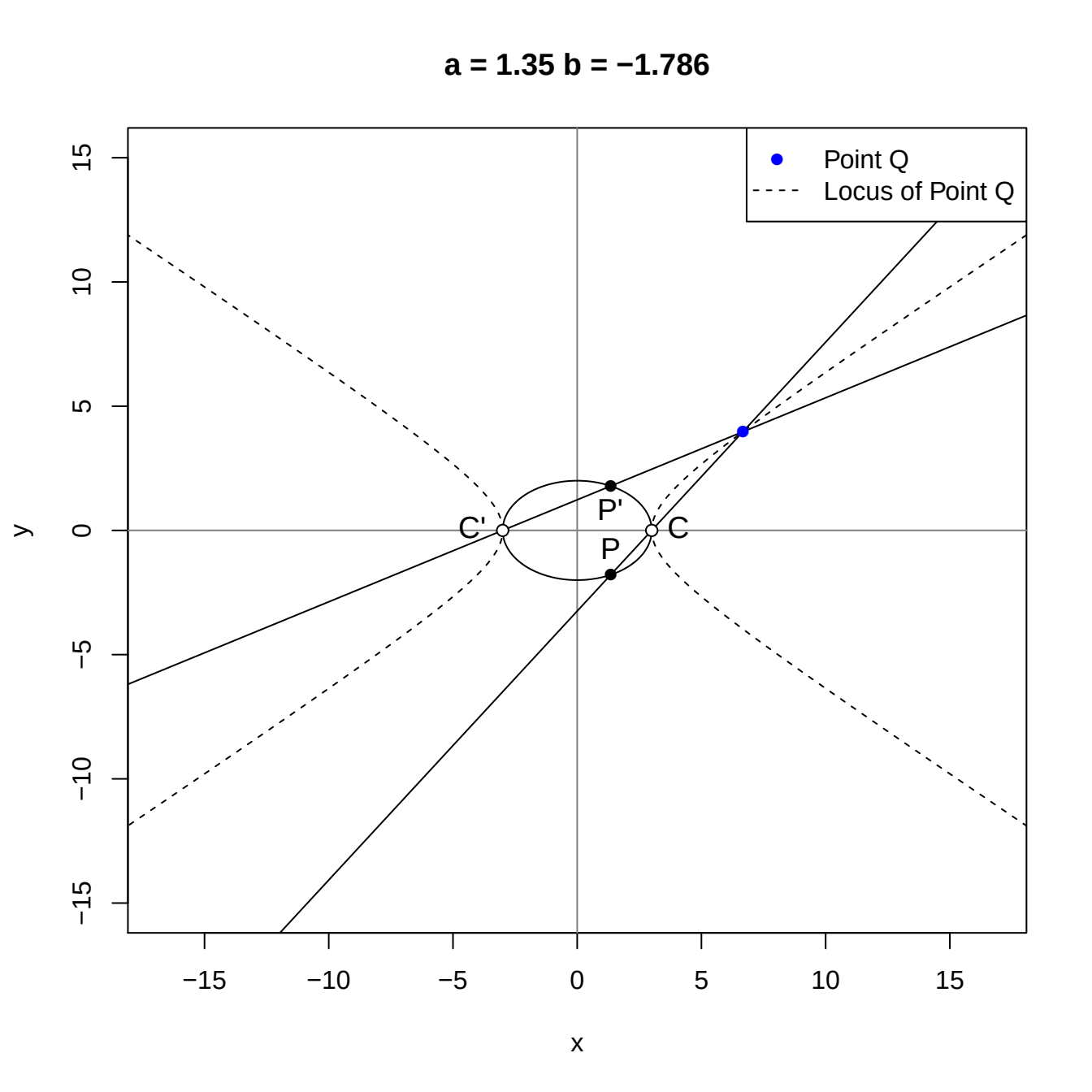
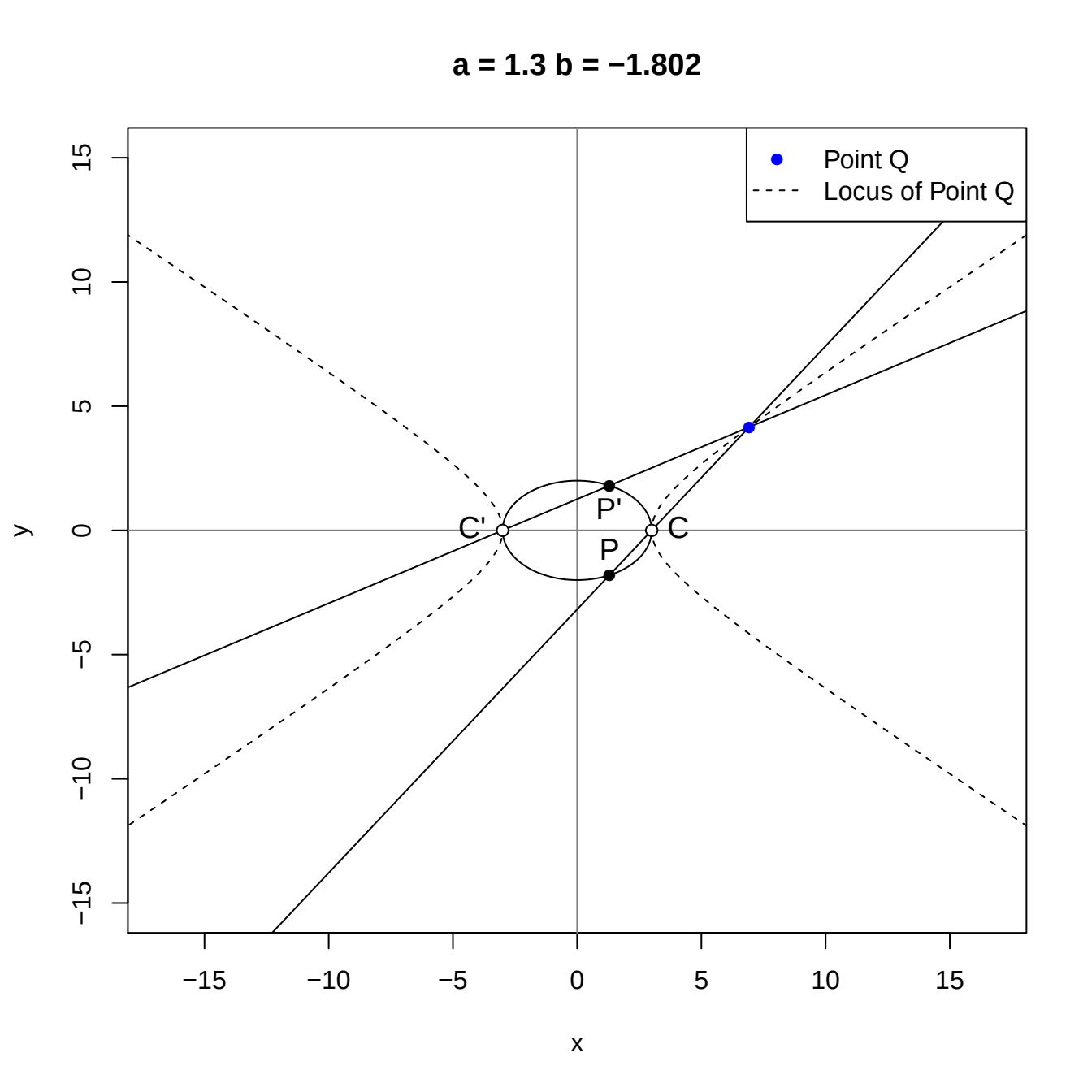

a = 1.55 b = −1.712
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

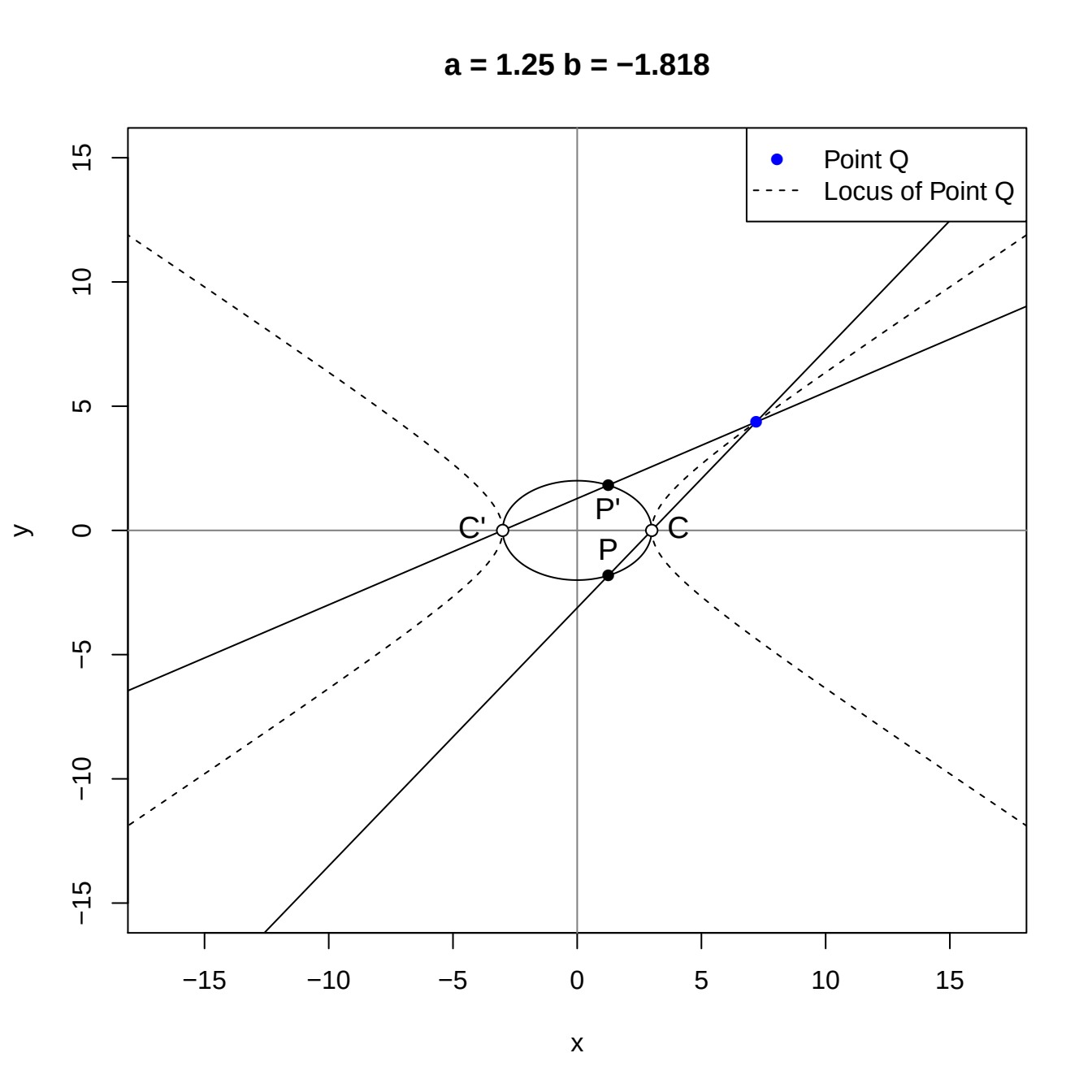

a = 1.5 b = −1.732
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

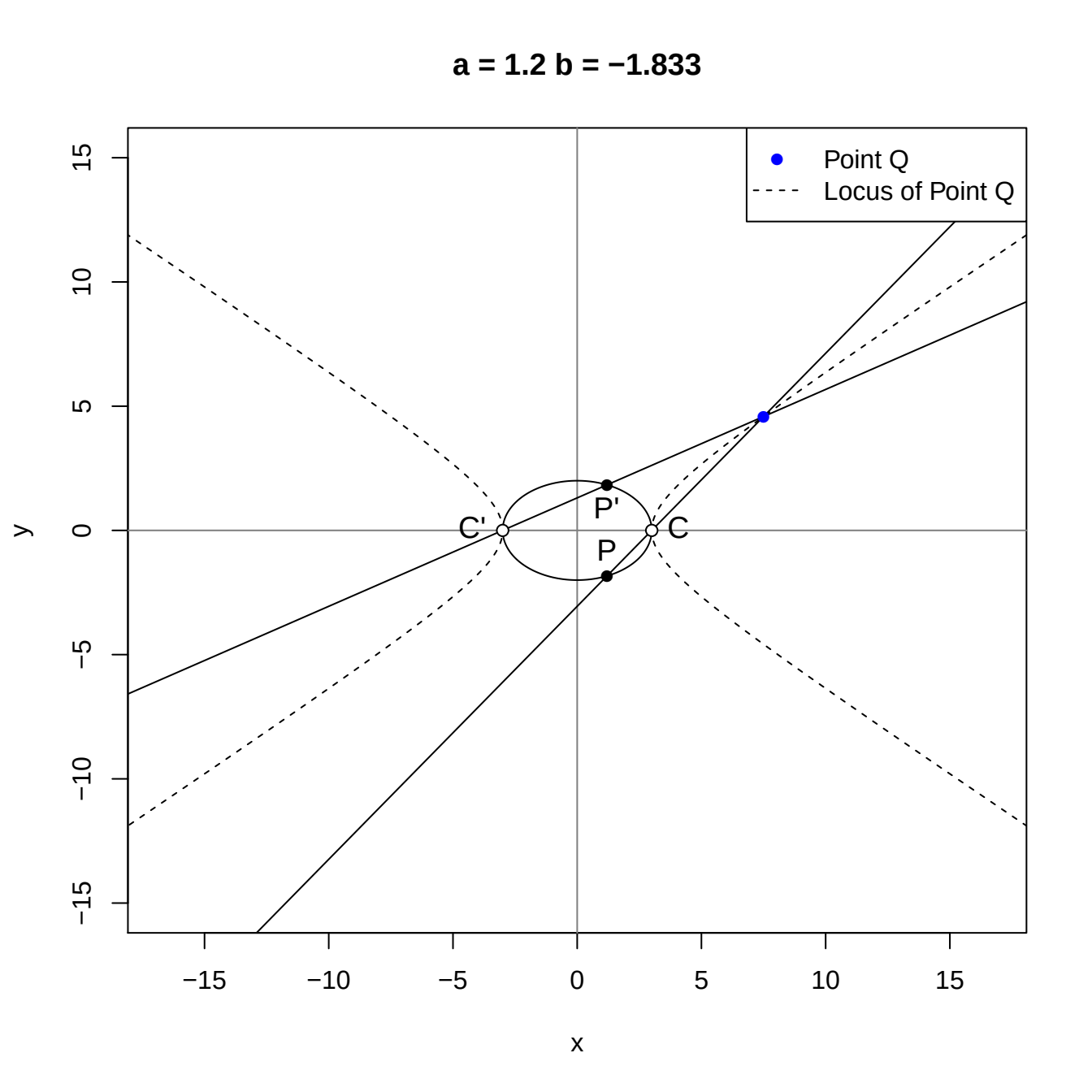

a = 1.45 b = −1.751
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

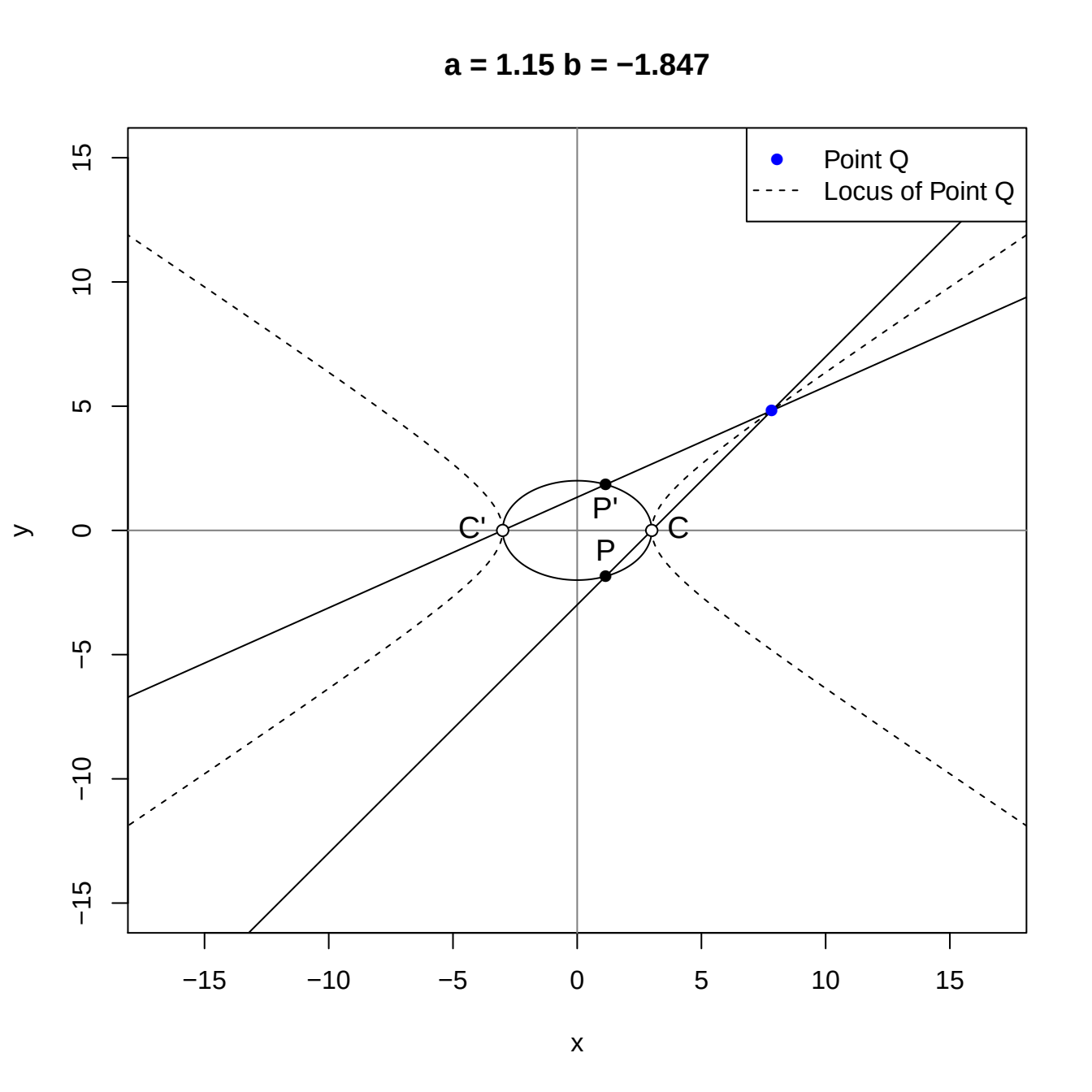

a = 1.4 b = −1.769
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

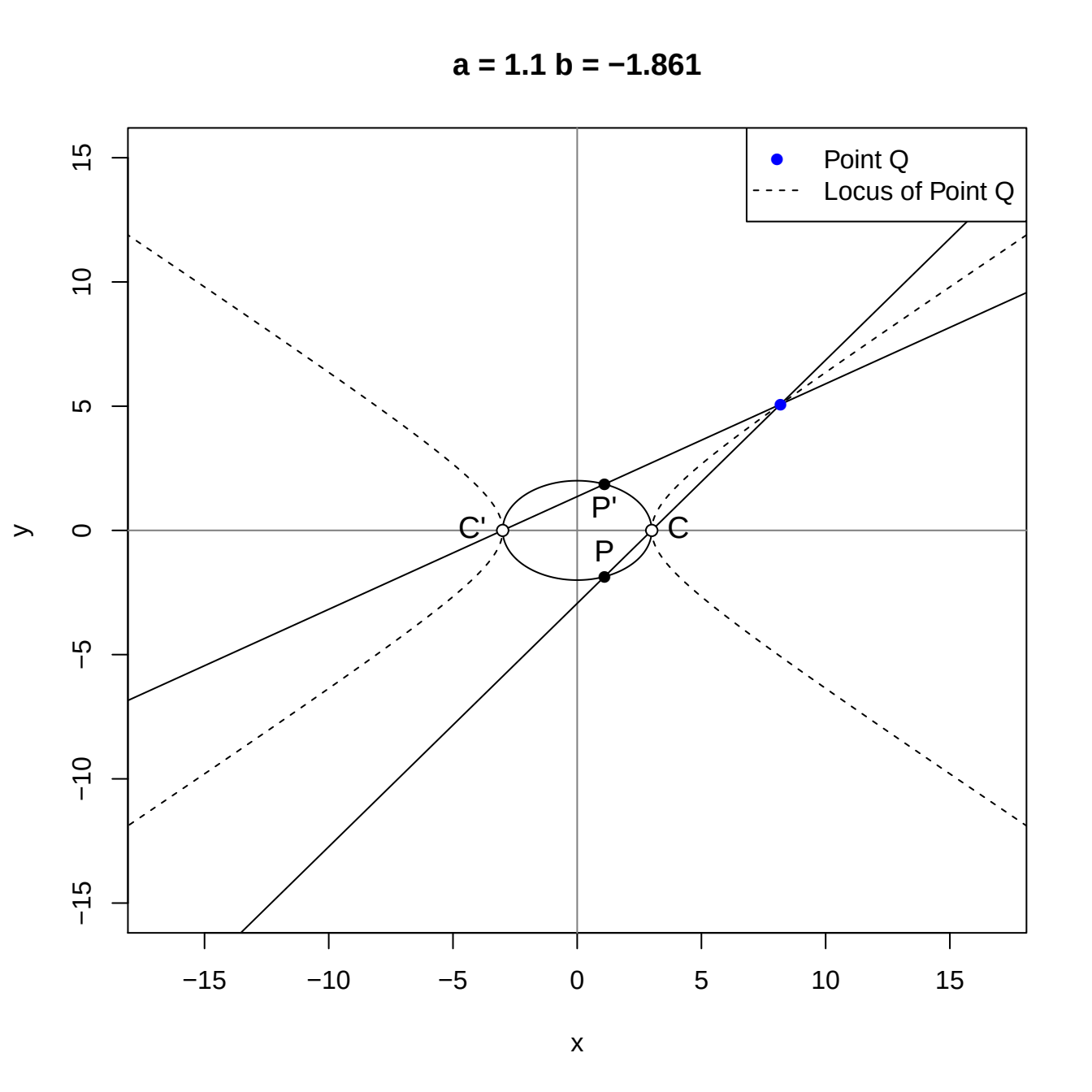

a = 1.35 b = −1.786
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

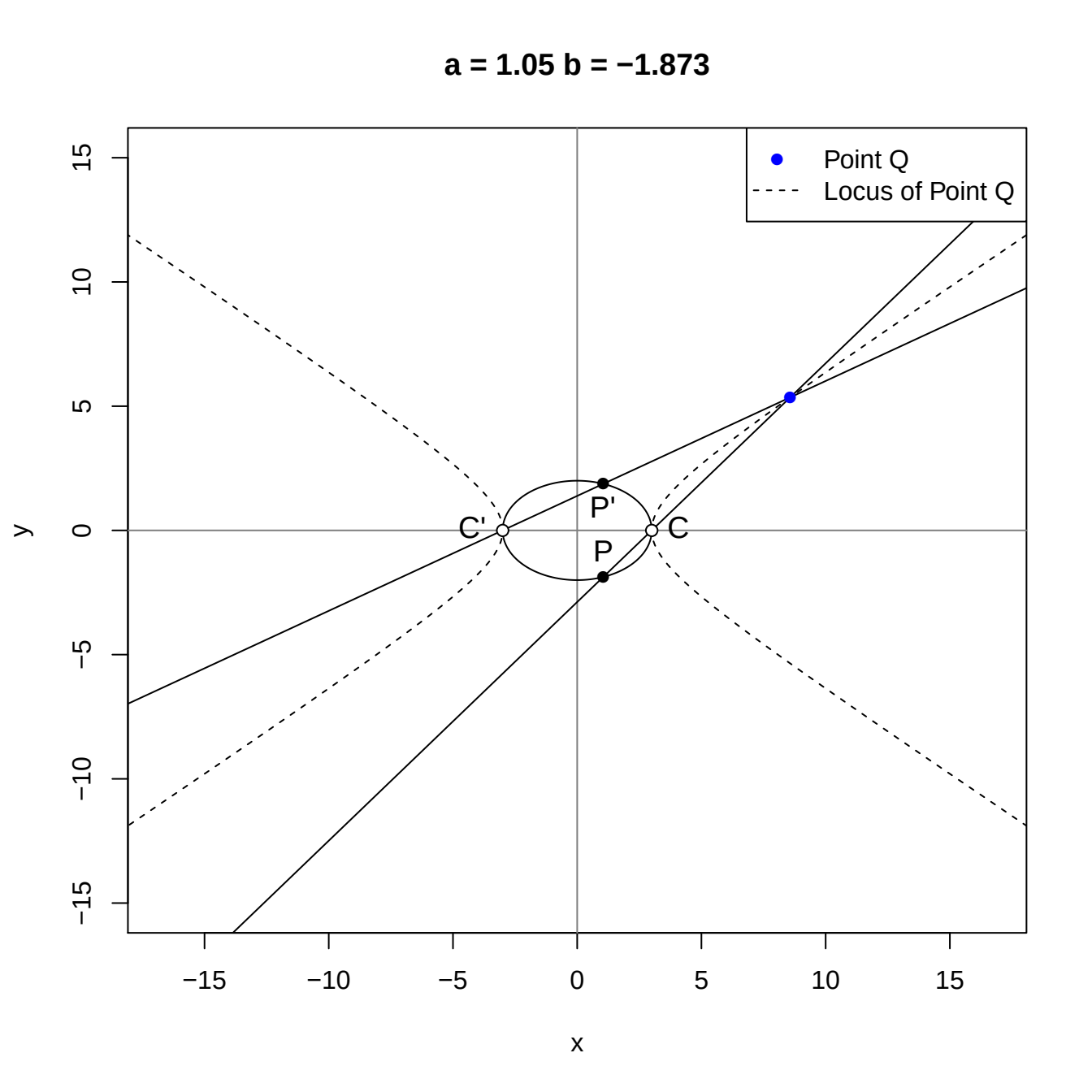

a = 1.3 b = −1.802
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

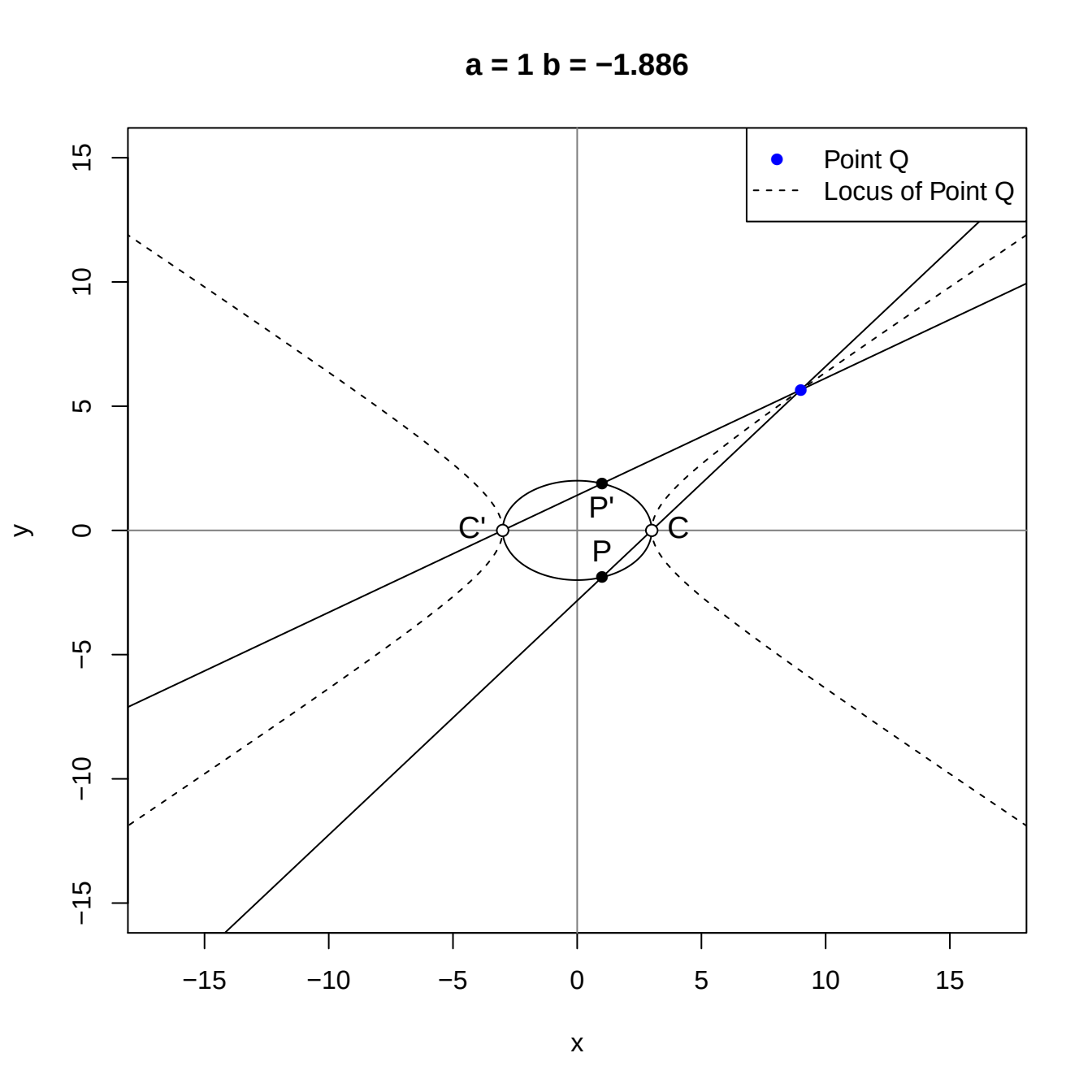

a = 1.25 b = −1.818
Point Q
Locus of Point Q
C'
C
P'
P
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

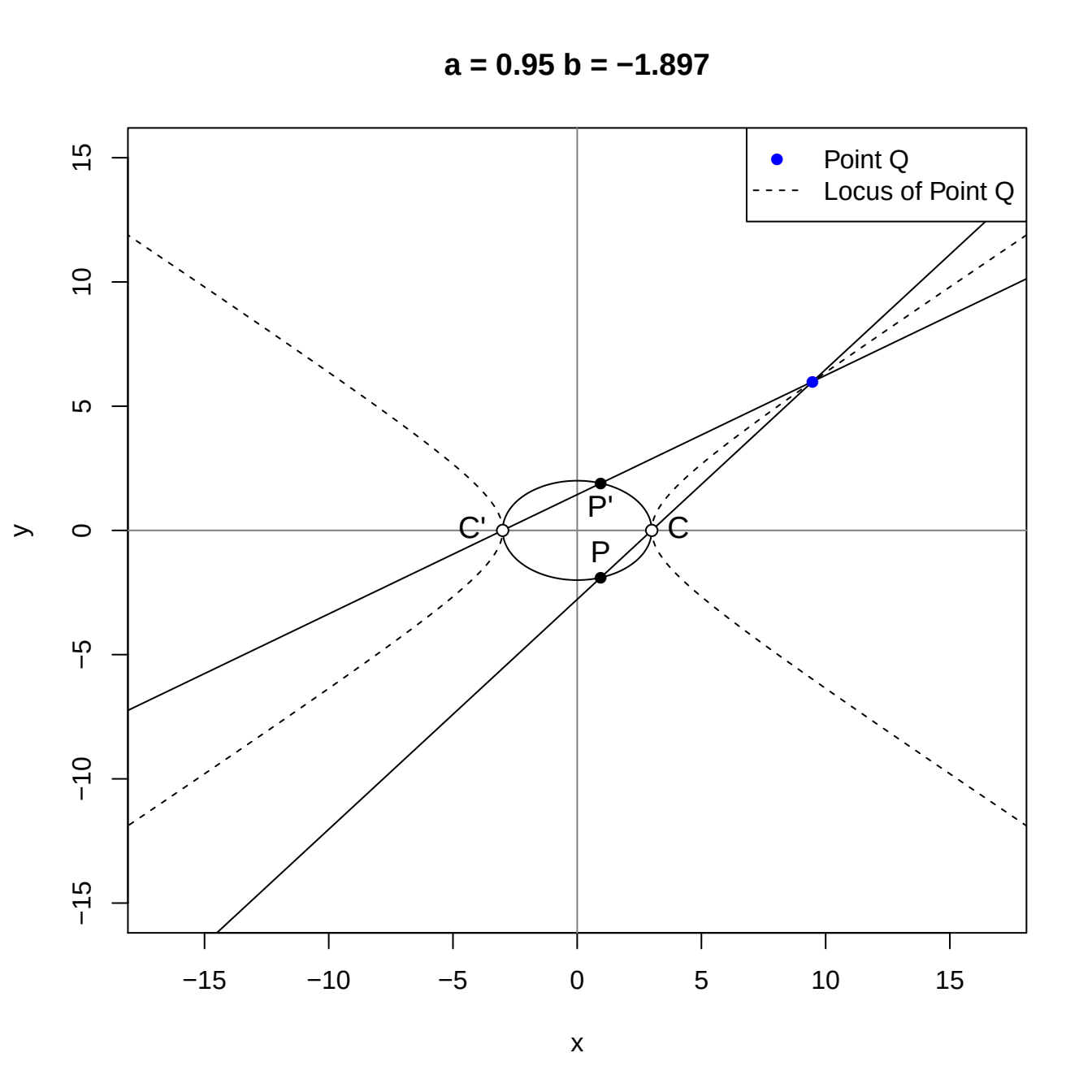

a = 1.2 b = −1.833
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

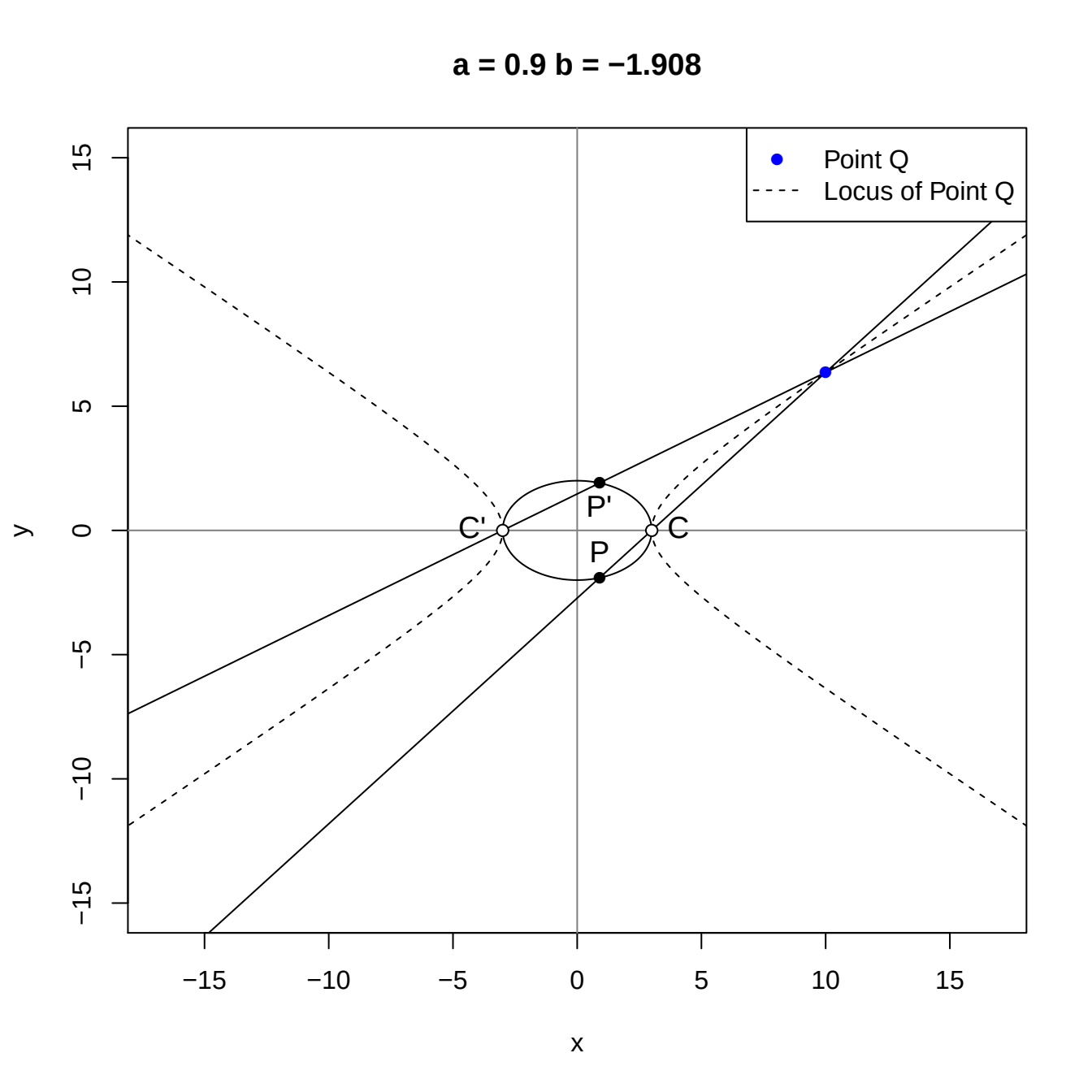

a = 1.15 b = −1.847
Point Q
Locus of Point Q
C'
C
P'
P
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

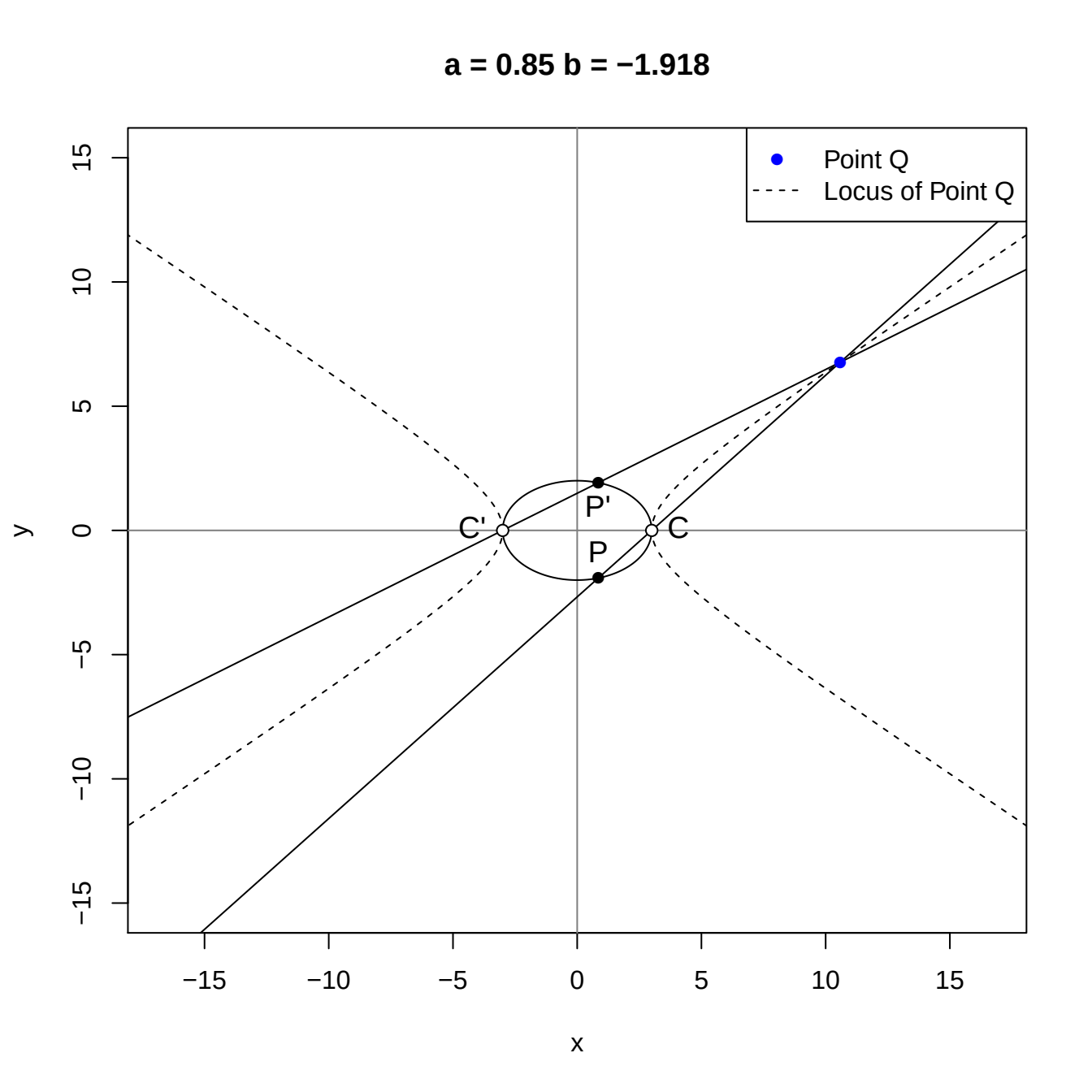

a = 1.1 b = −1.861
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

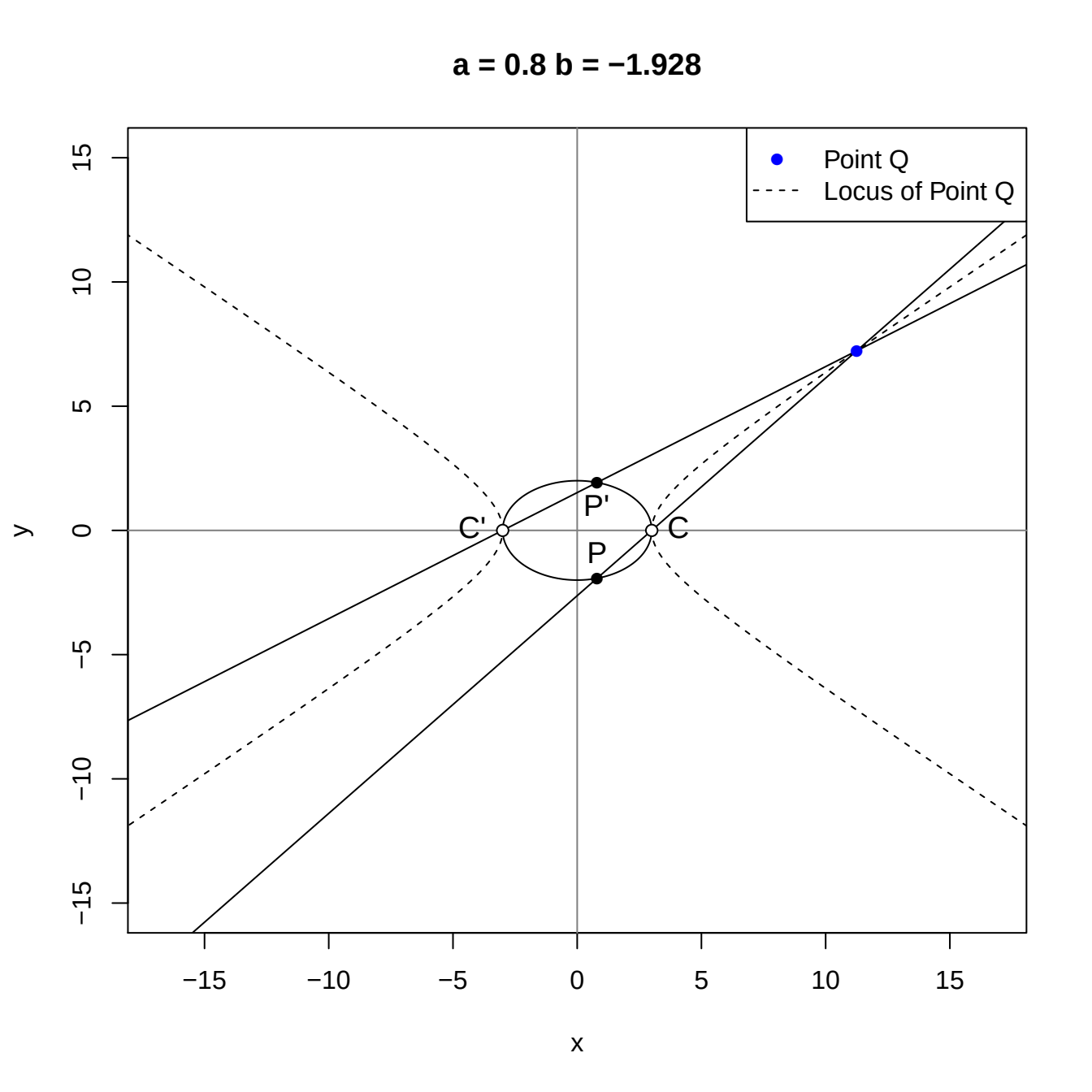

a = 1.05 b = −1.873
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

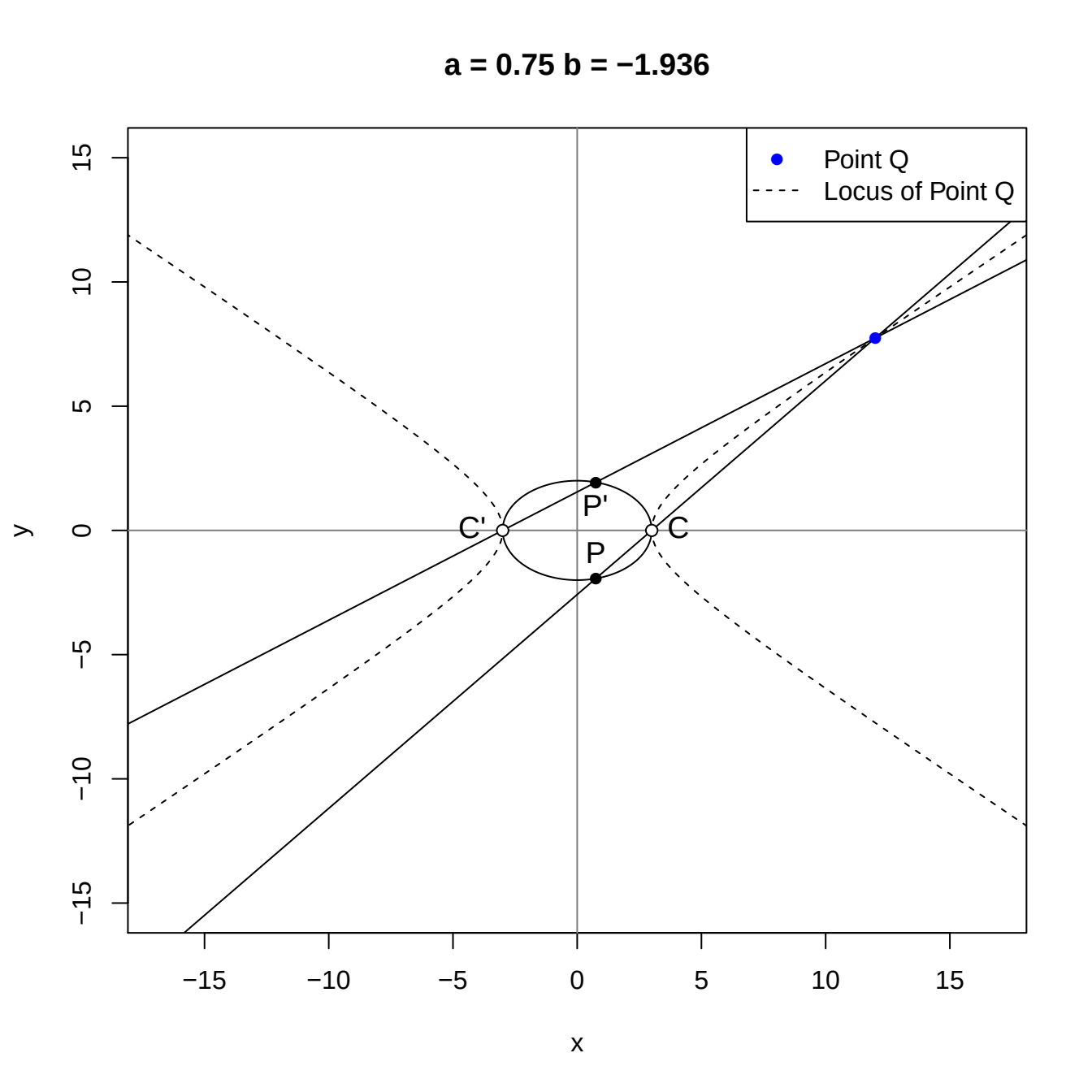

a = 1 b = −1.886
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

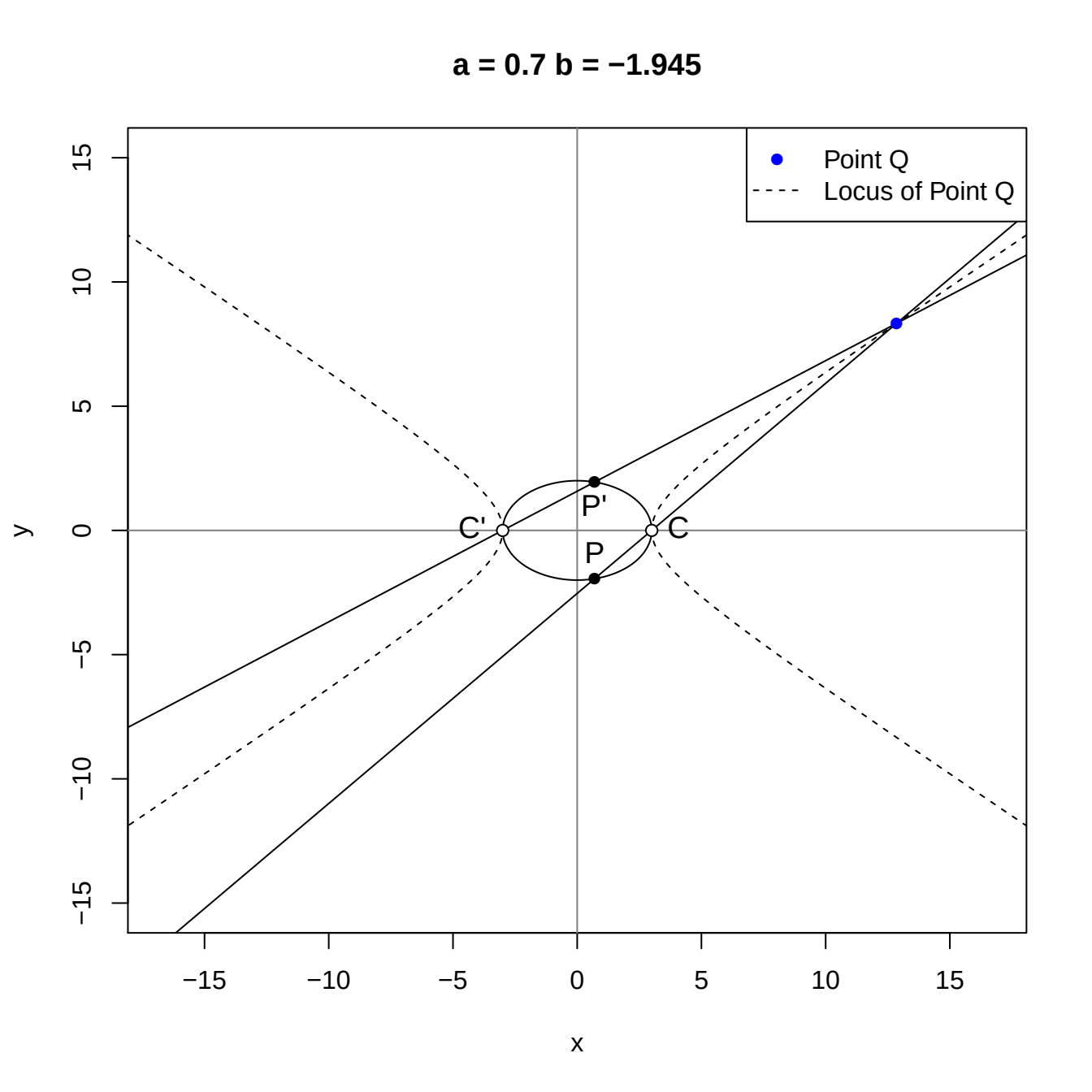

a = 0.95 b = −1.897
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

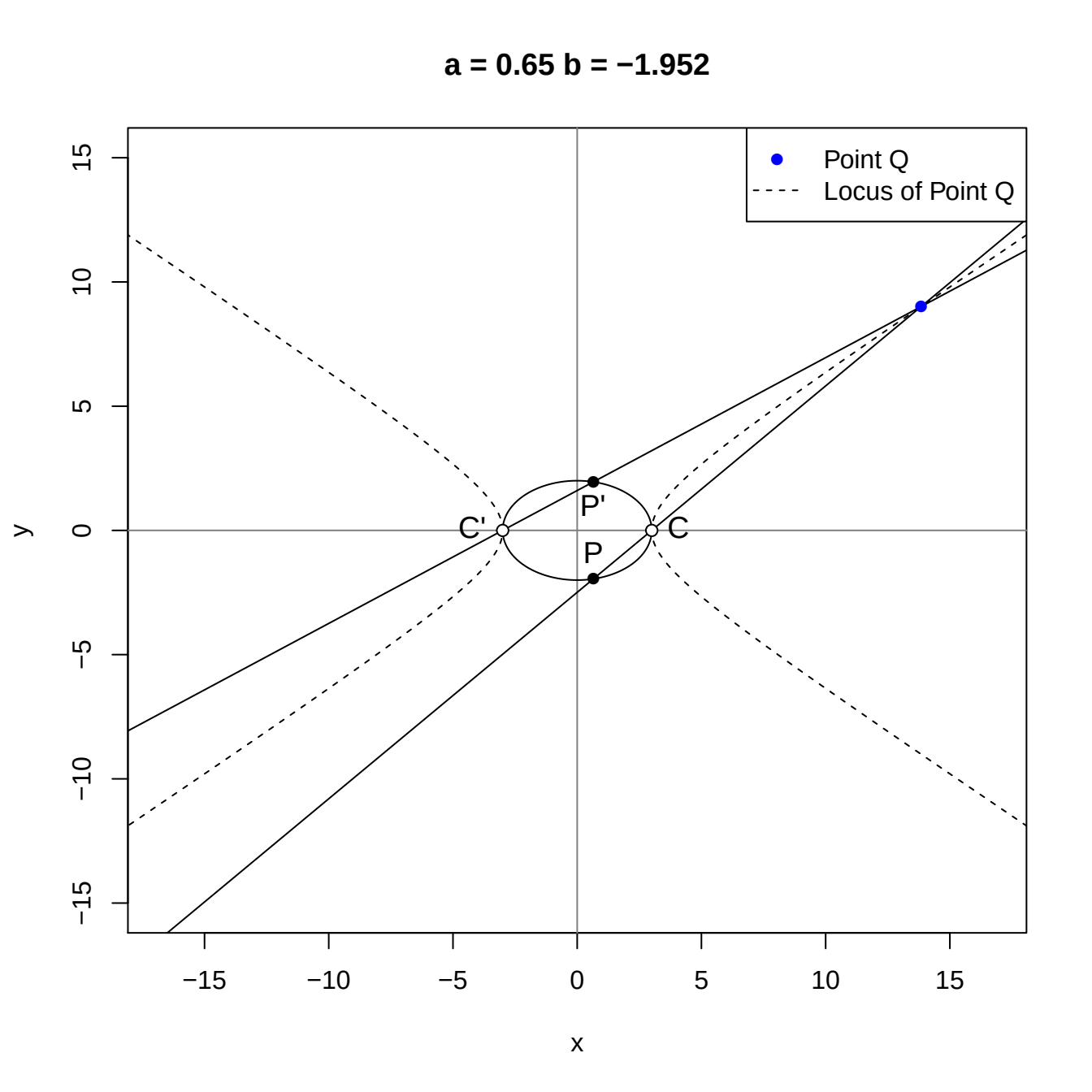

a = 0.9 b = −1.908
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

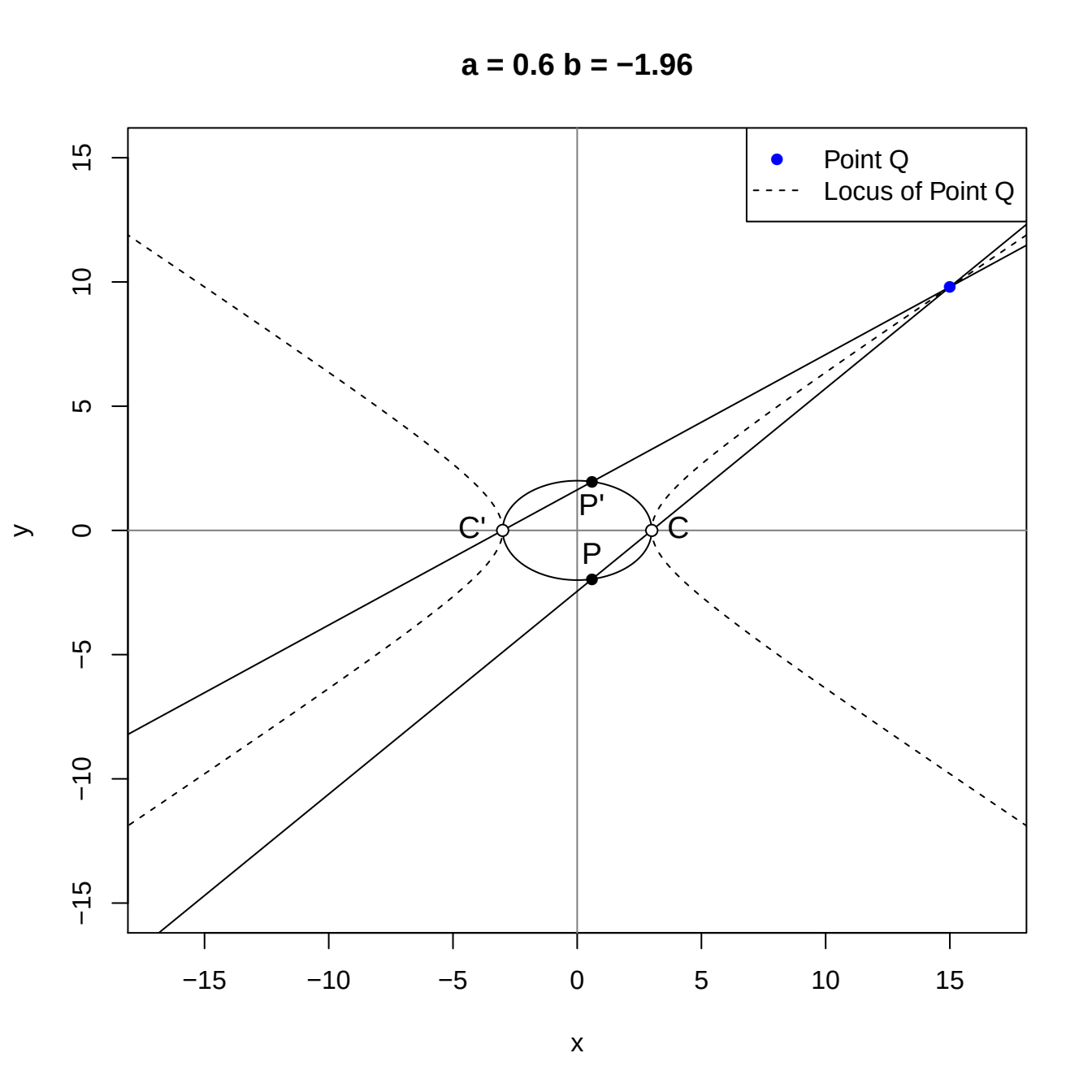

a = 0.85 b = −1.918
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

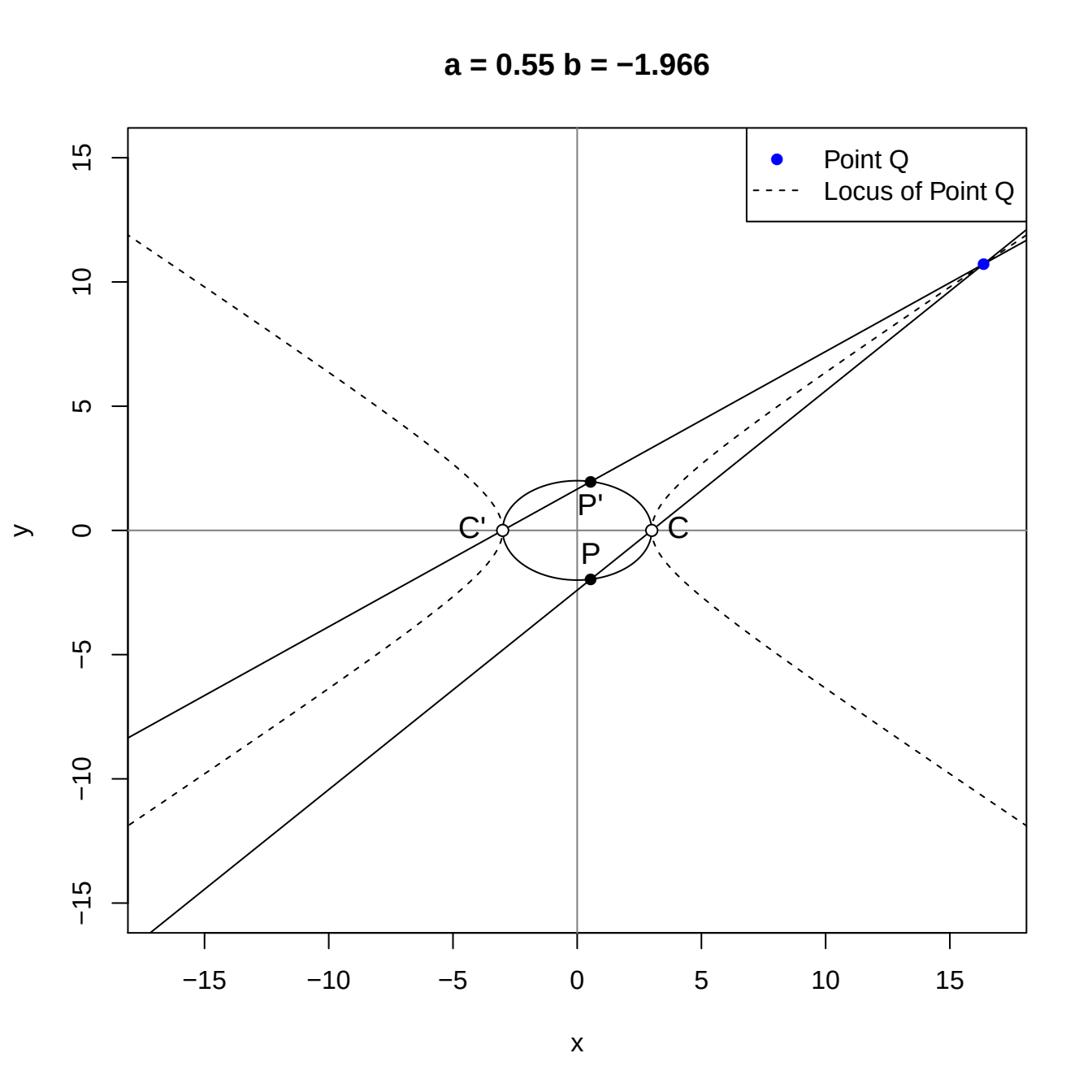

a = 0.8 b = −1.928
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

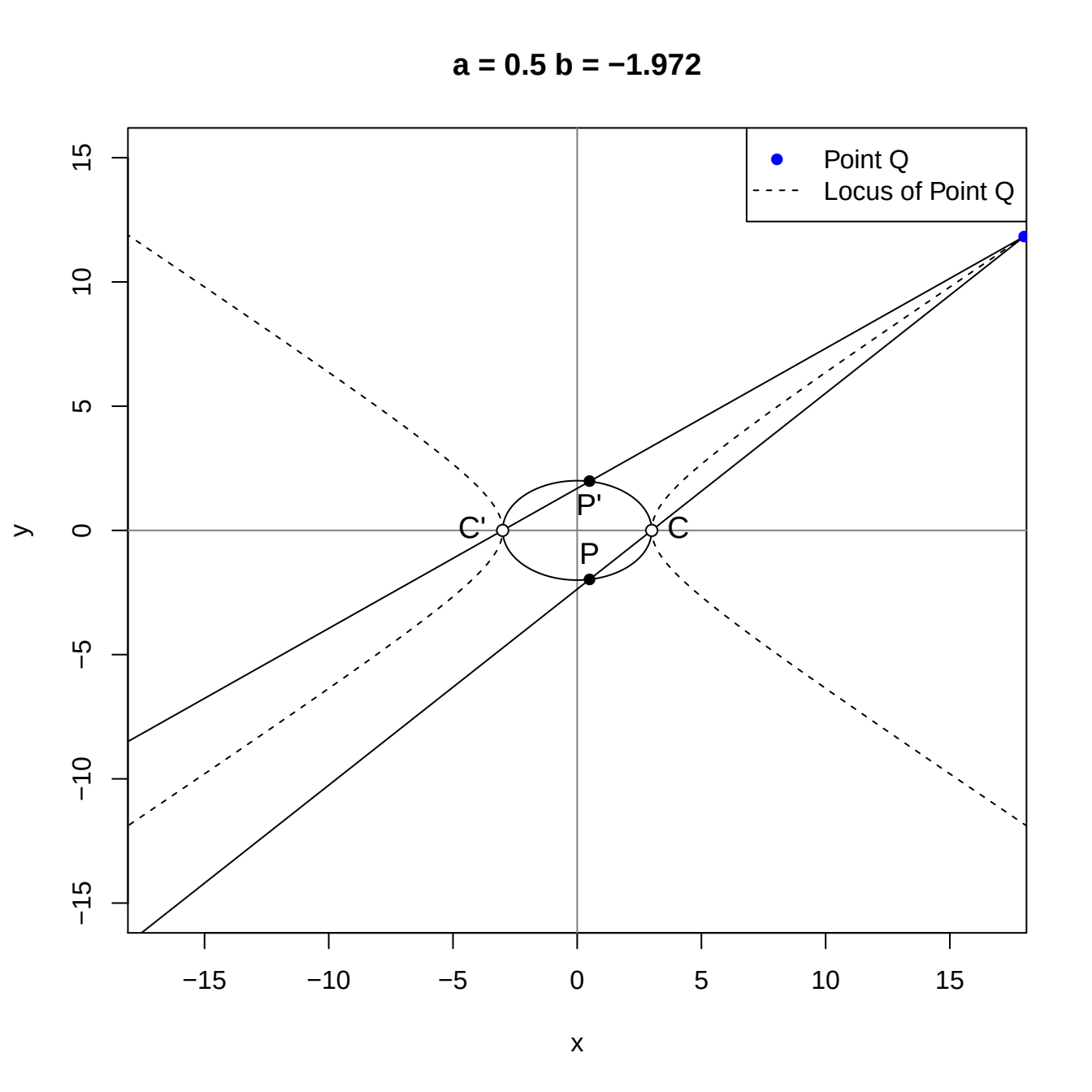

a = 0.75 b = −1.936
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

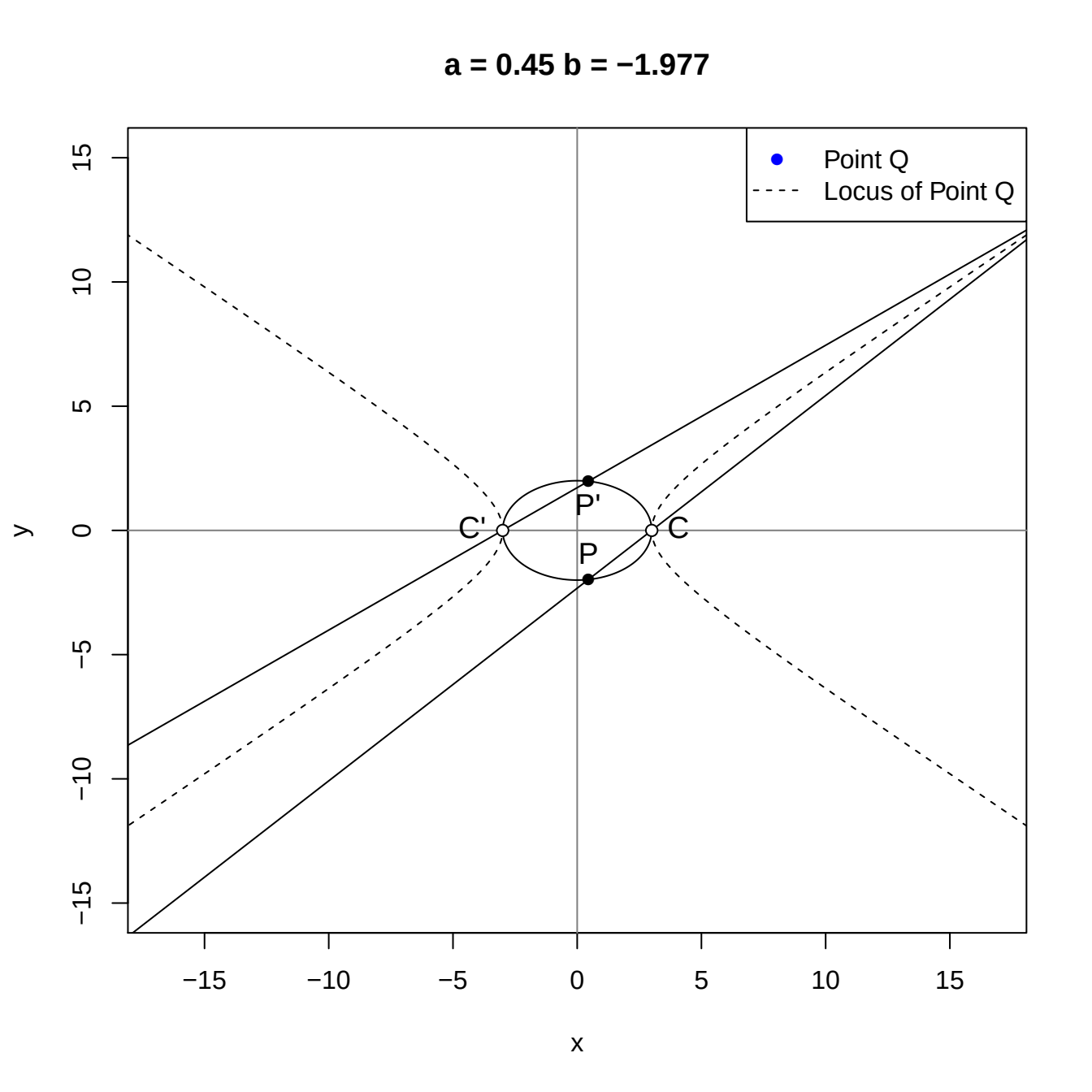

a = 0.7 b = −1.945
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

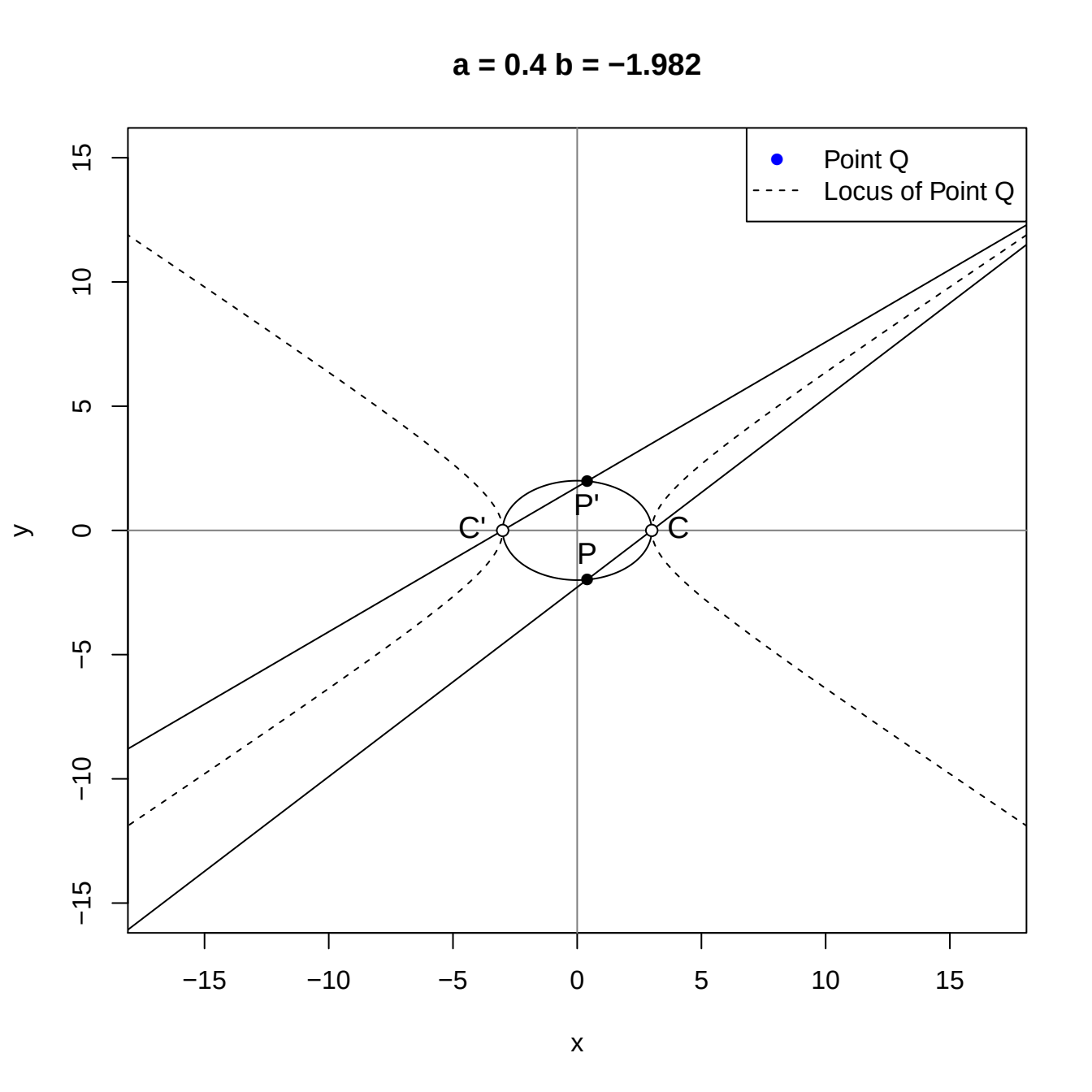

a = 0.65 b = −1.952
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

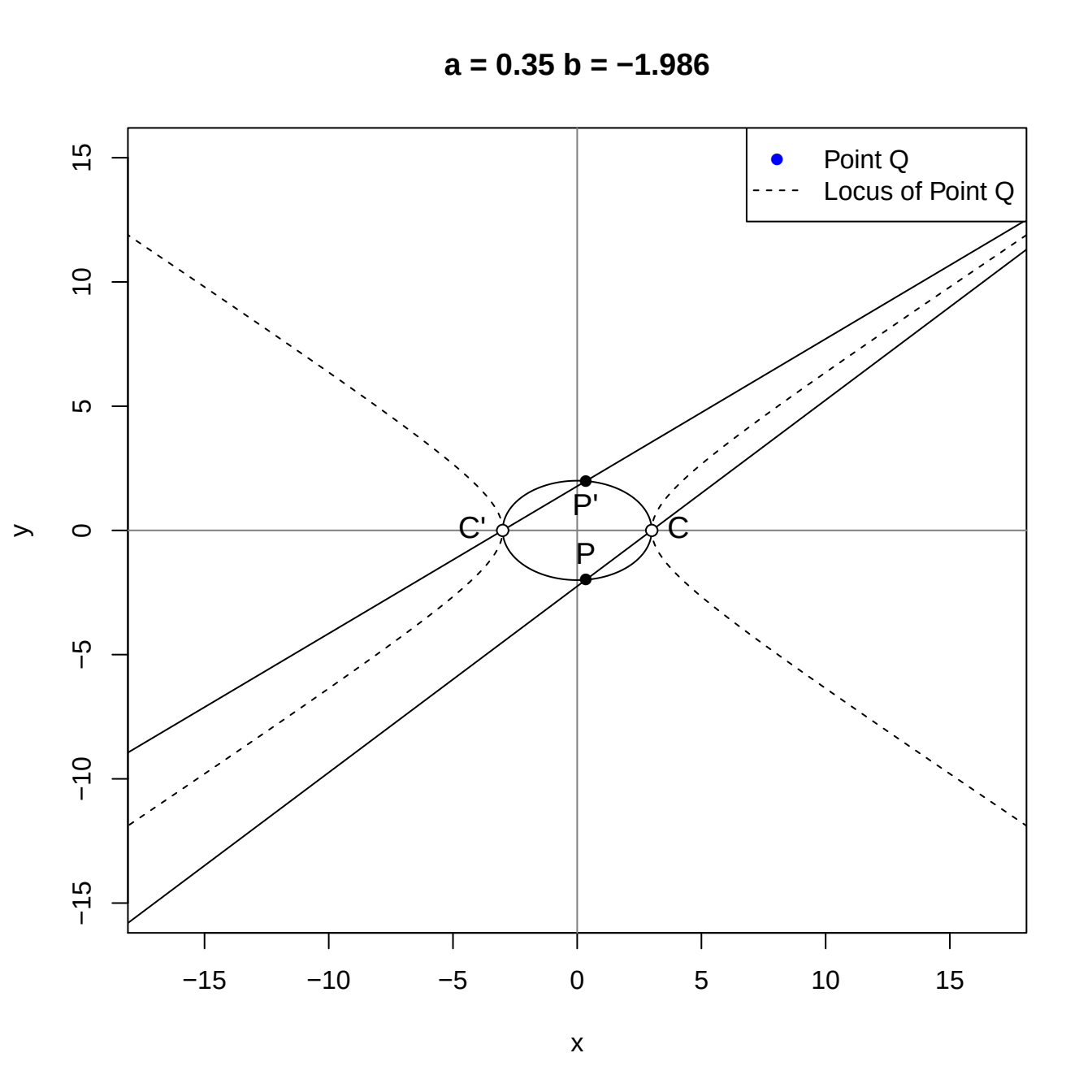

a = 0.6 b = −1.96
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

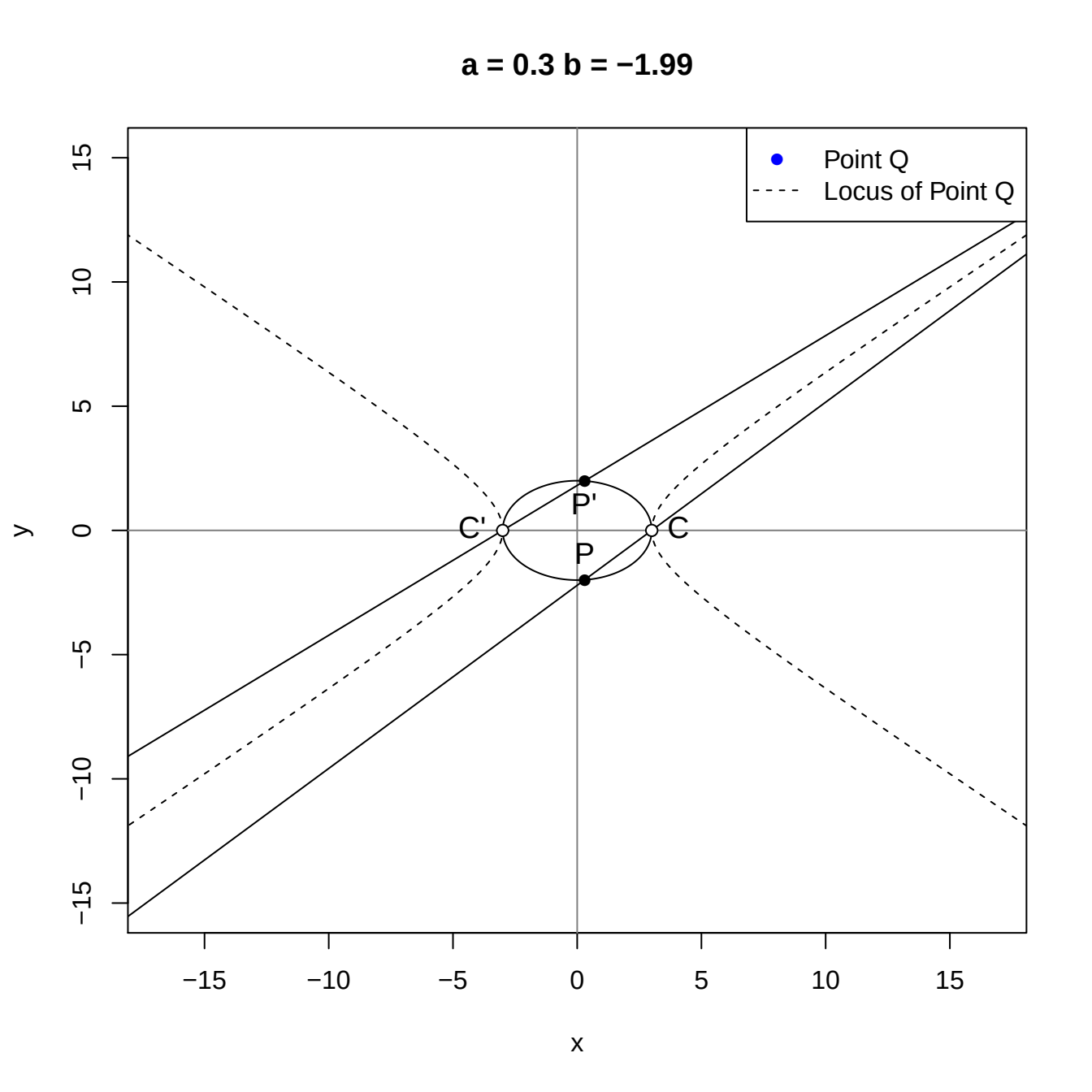

a = 0.55 b = −1.966
Point Q
Locus of Point Q
C'
C
P'
P
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

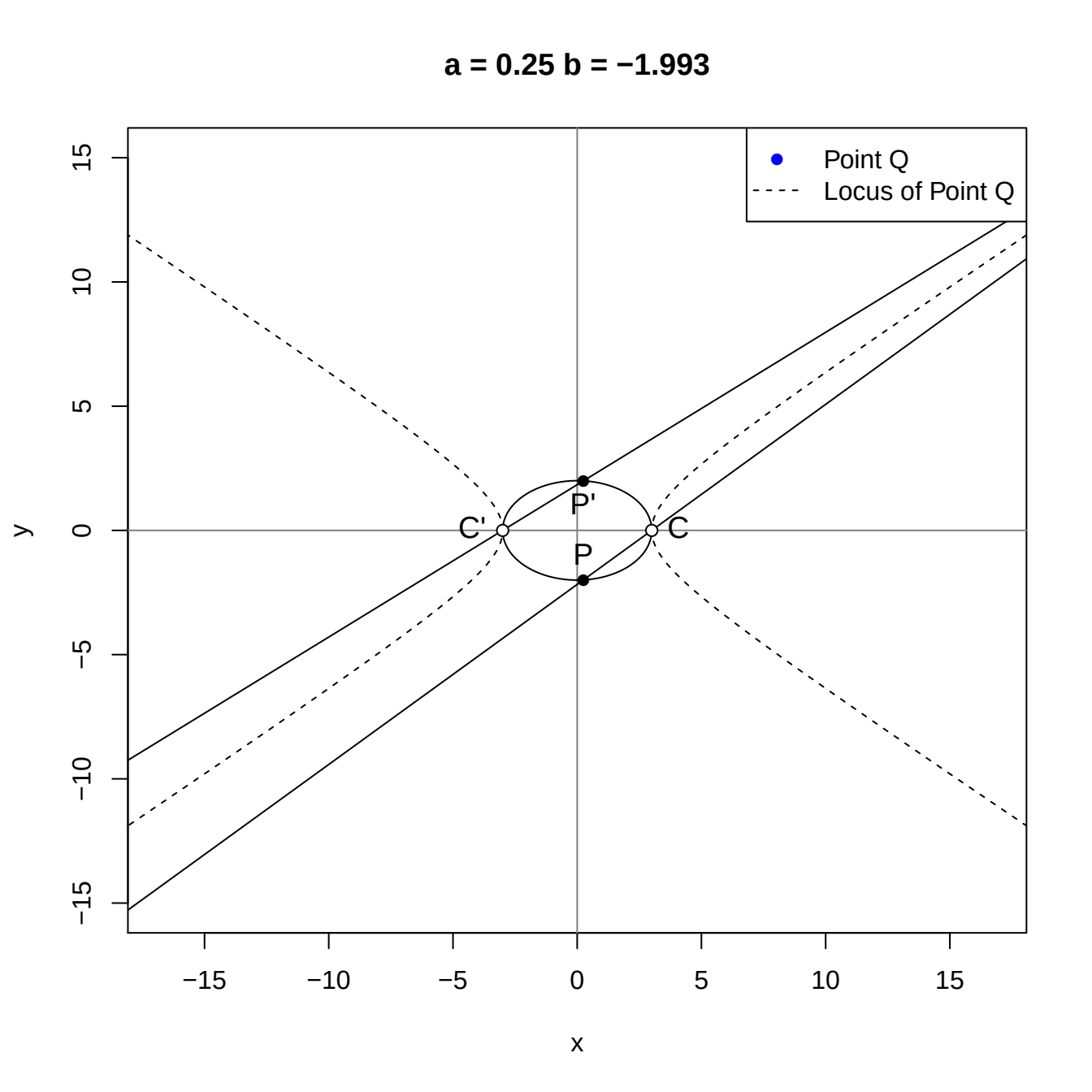

a = 0.5 b = −1.972
Point Q
Locus of Point Q
C'
C
P'
P
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

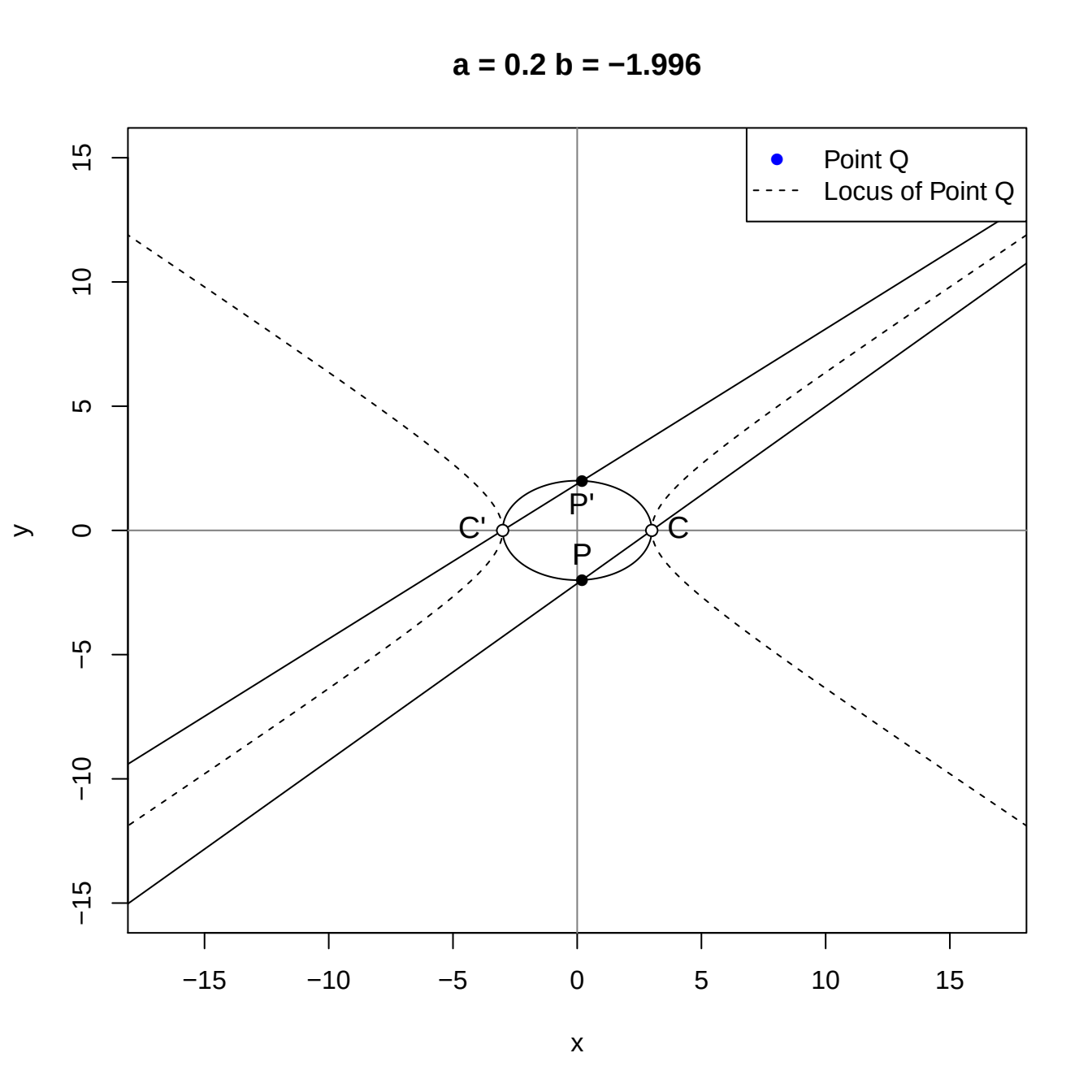

a = 0.45 b = −1.977
Point Q
Locus of Point Q
C'
C
P'
P
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

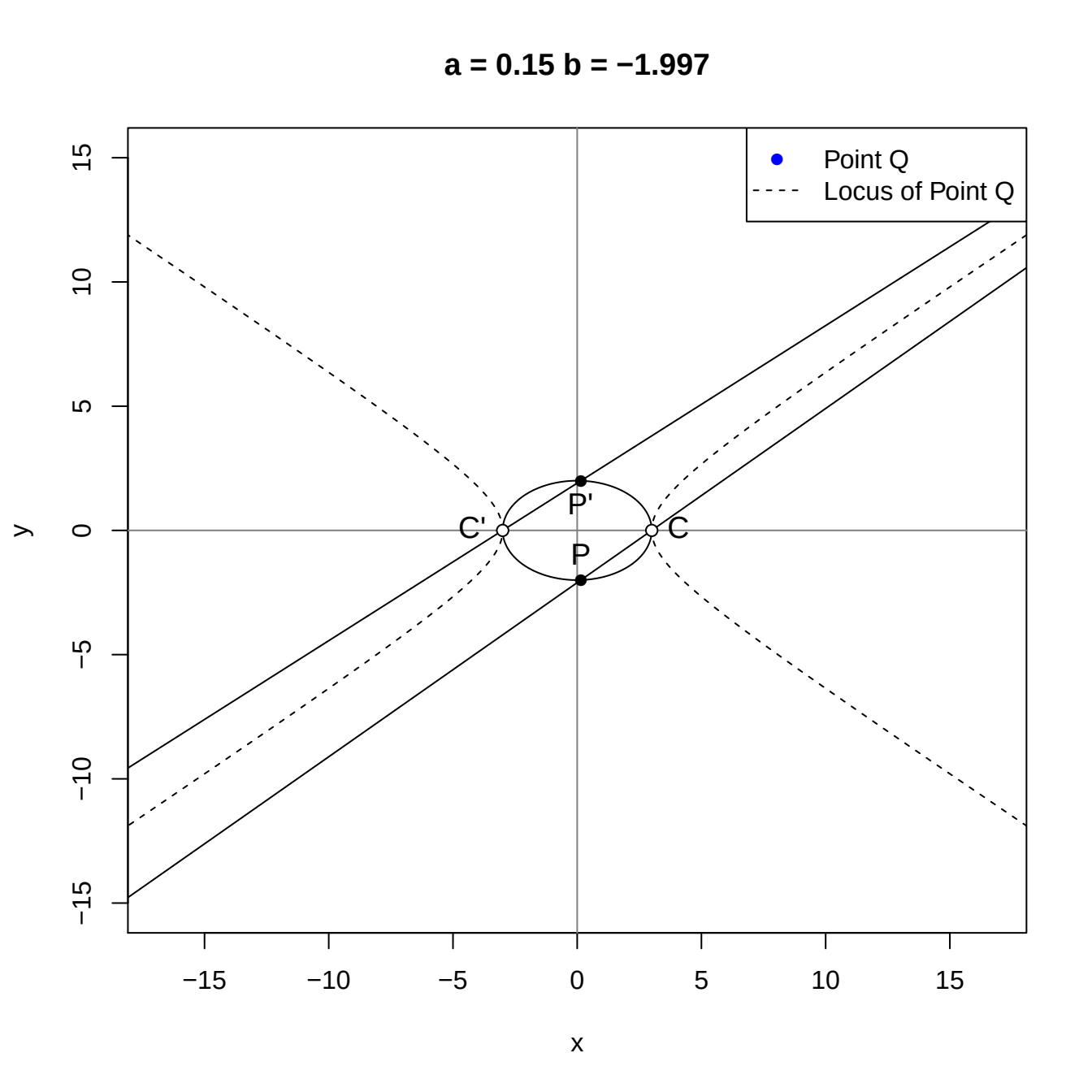

a = 0.4 b = −1.982
Point Q
Locus of Point Q
C'
C
P'
P
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

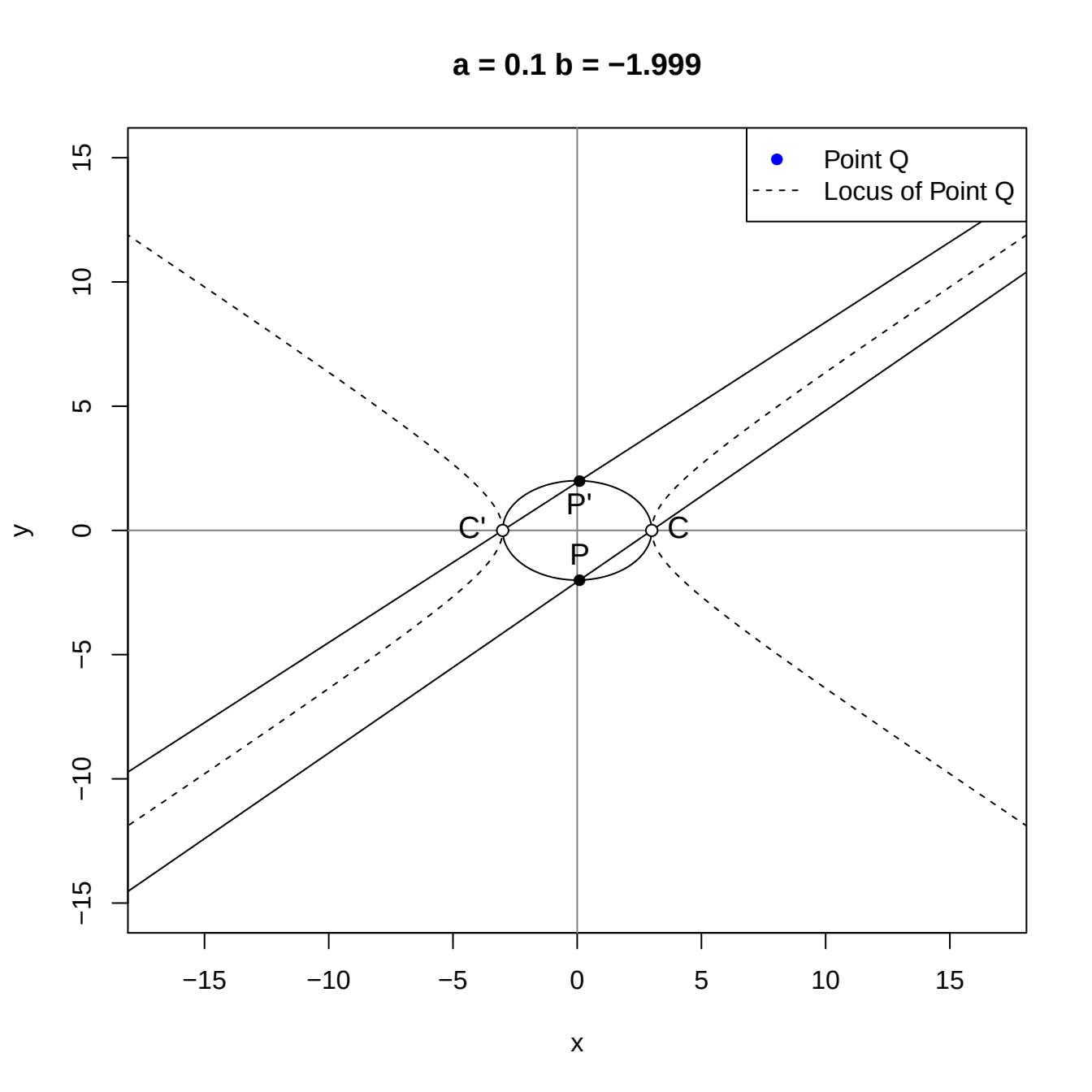

a = 0.35 b = −1.986
Point Q
Locus of Point Q
C'
C
P'
P
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

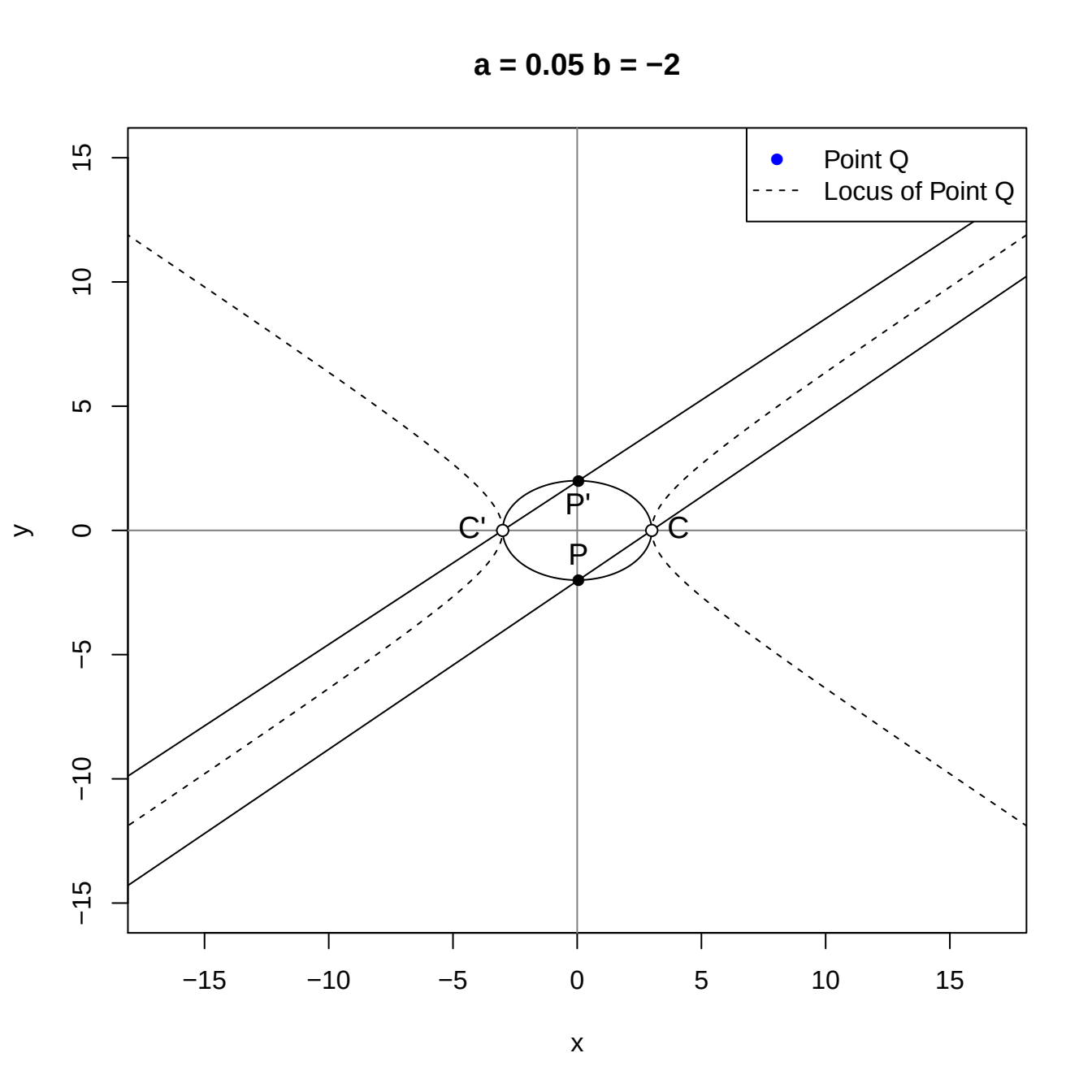

a = 0.3 b = −1.99
Point Q
Locus of Point Q
C'
C
P'
P
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

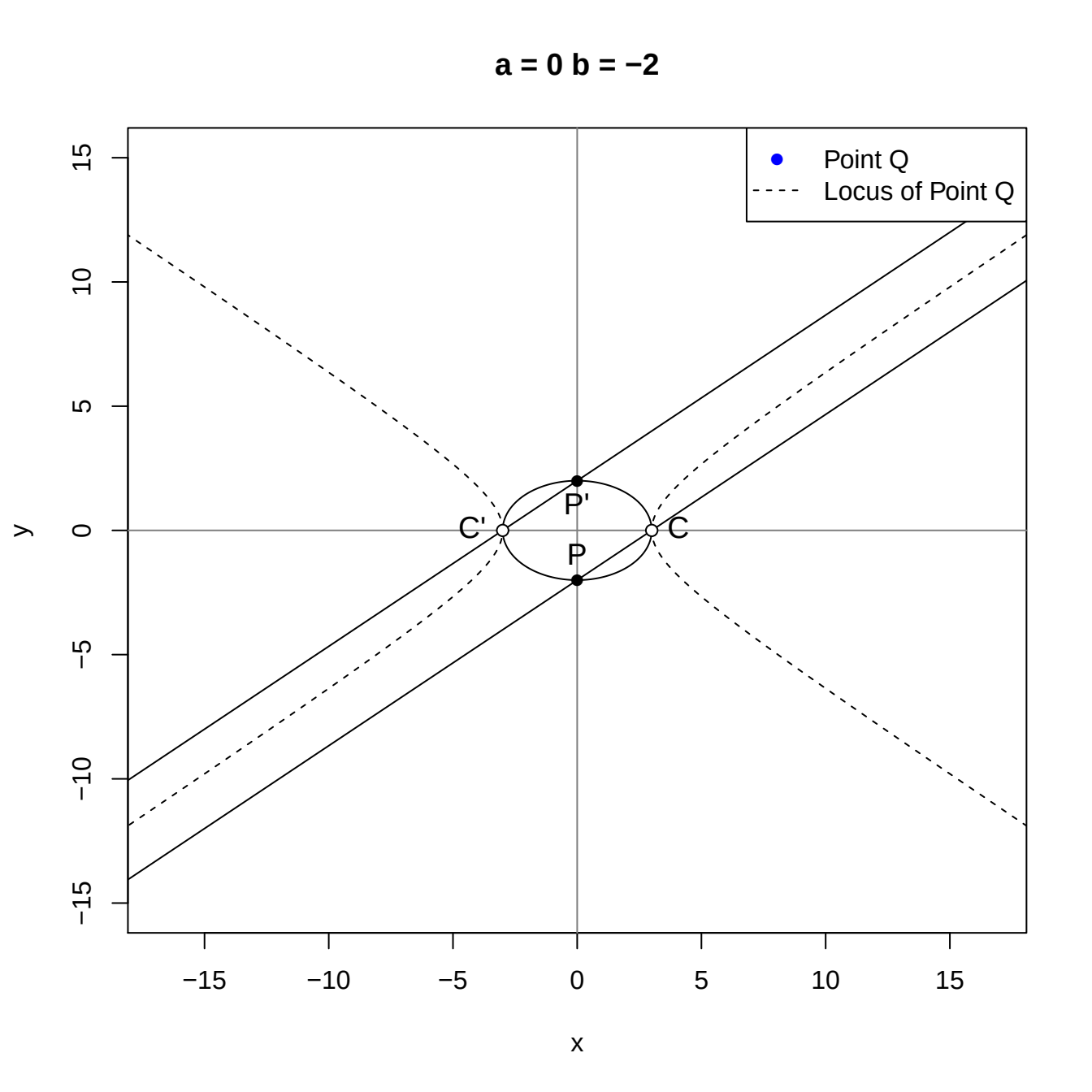

a = 0.25 b = −1.993
Point Q
Locus of Point Q
C'
C
P'
P
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

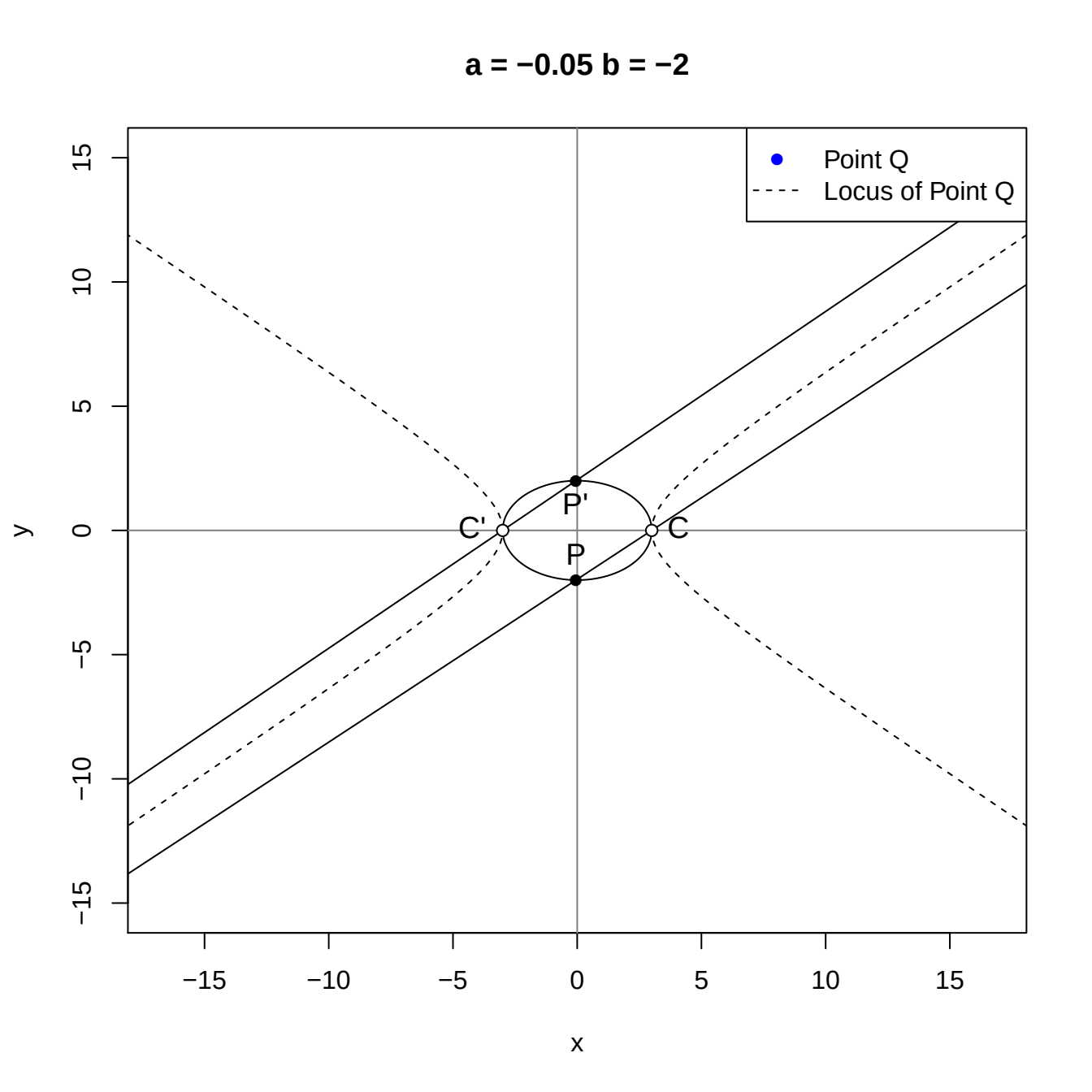

a = 0.2 b = −1.996
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

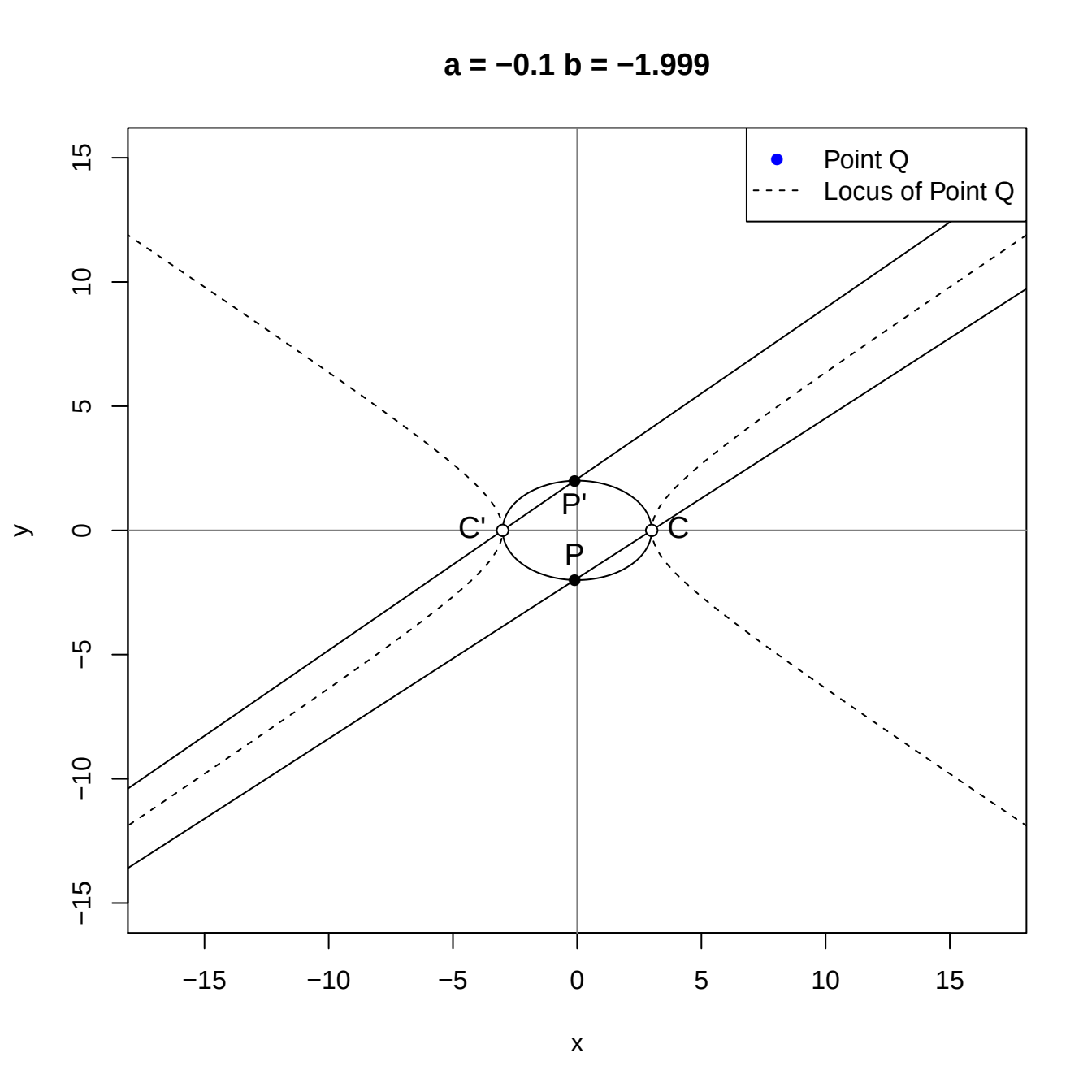

a = 0.15 b = −1.997
Point Q
Locus of Point Q
C'
C
P'
P
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

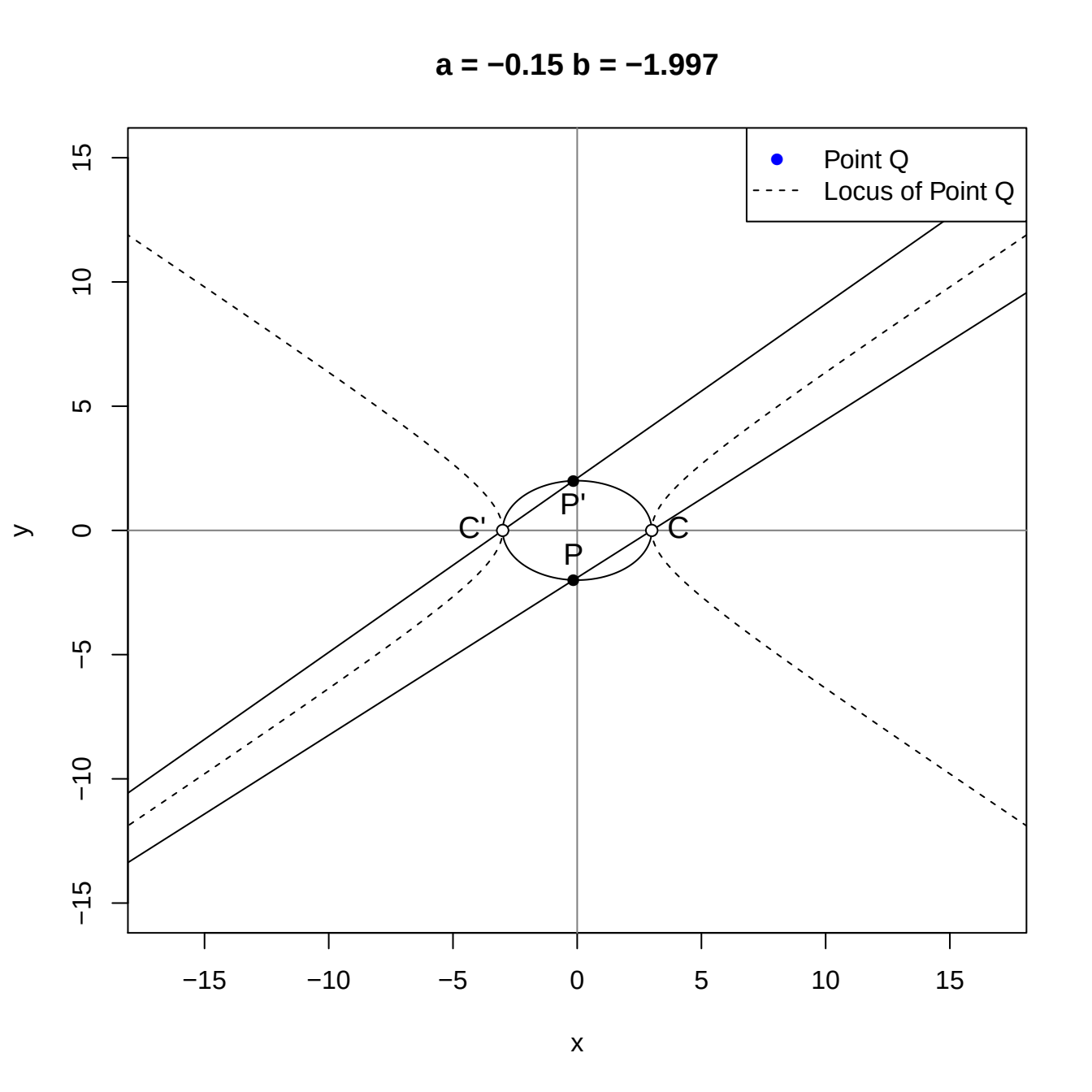

a = 0.1 b = −1.999
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

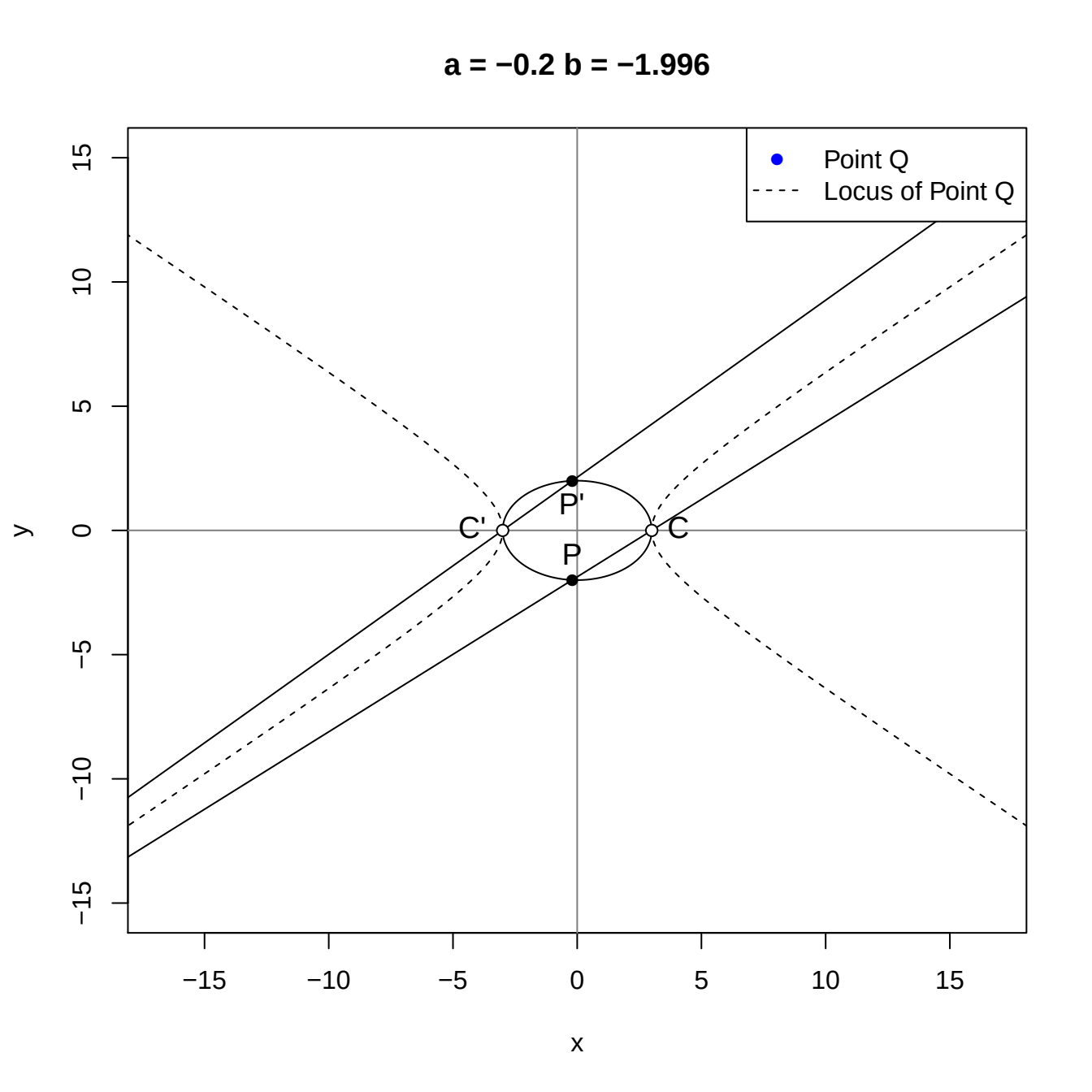

a = 0.05 b = −2
Point Q
Locus of Point Q
P'
P
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

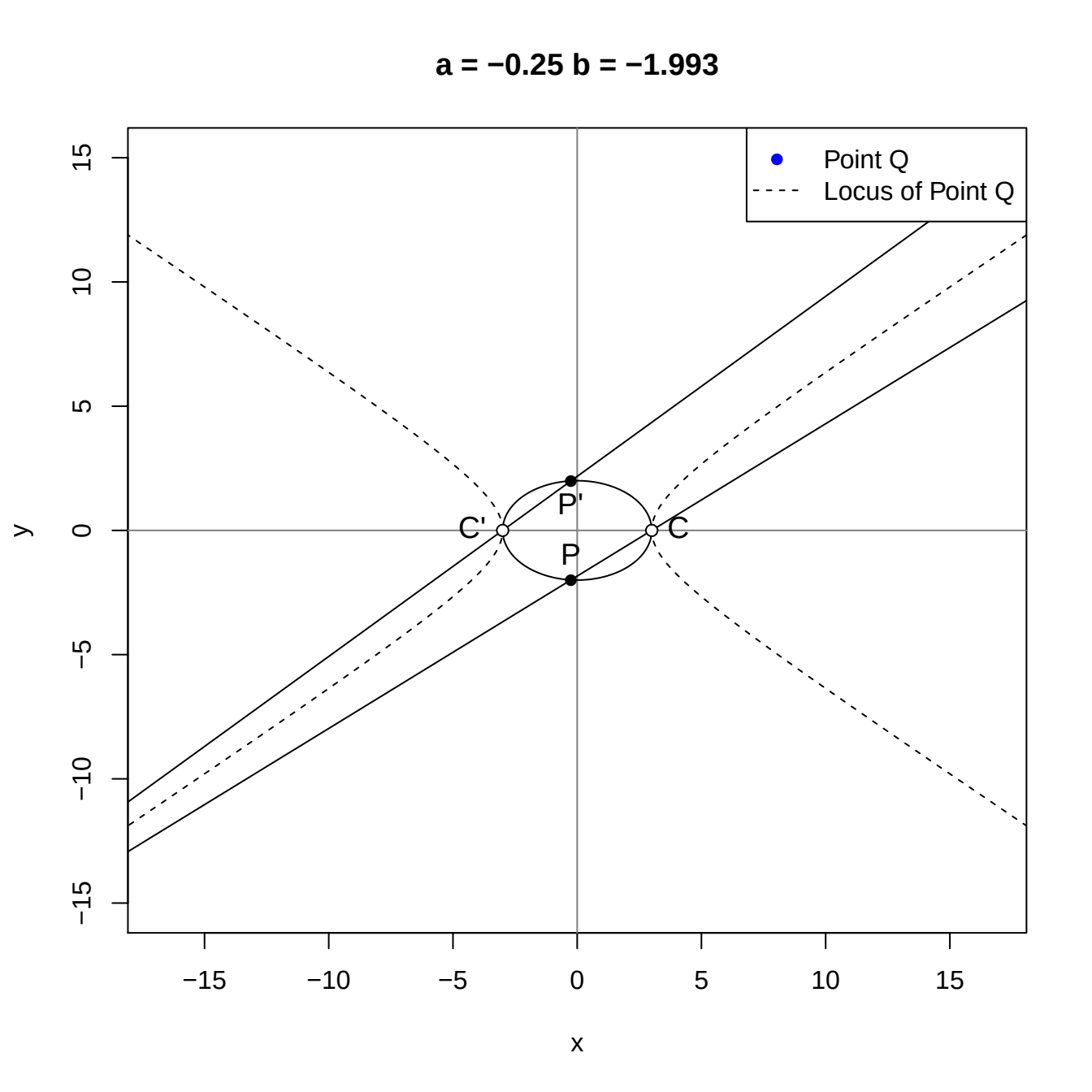

a = 0 b = −2
Point Q
Locus of Point Q
P'
P
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

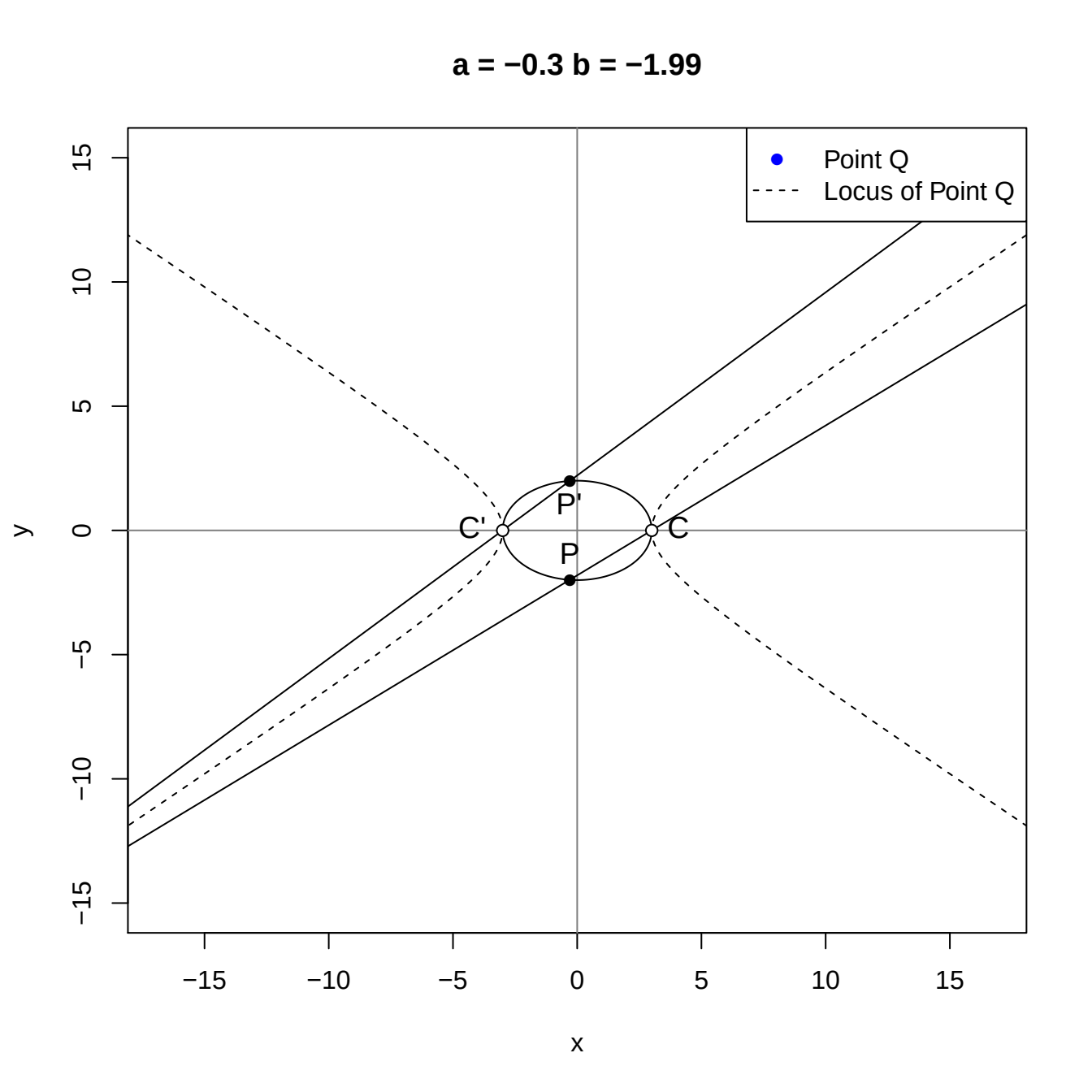

a = −0.05 b = −2
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

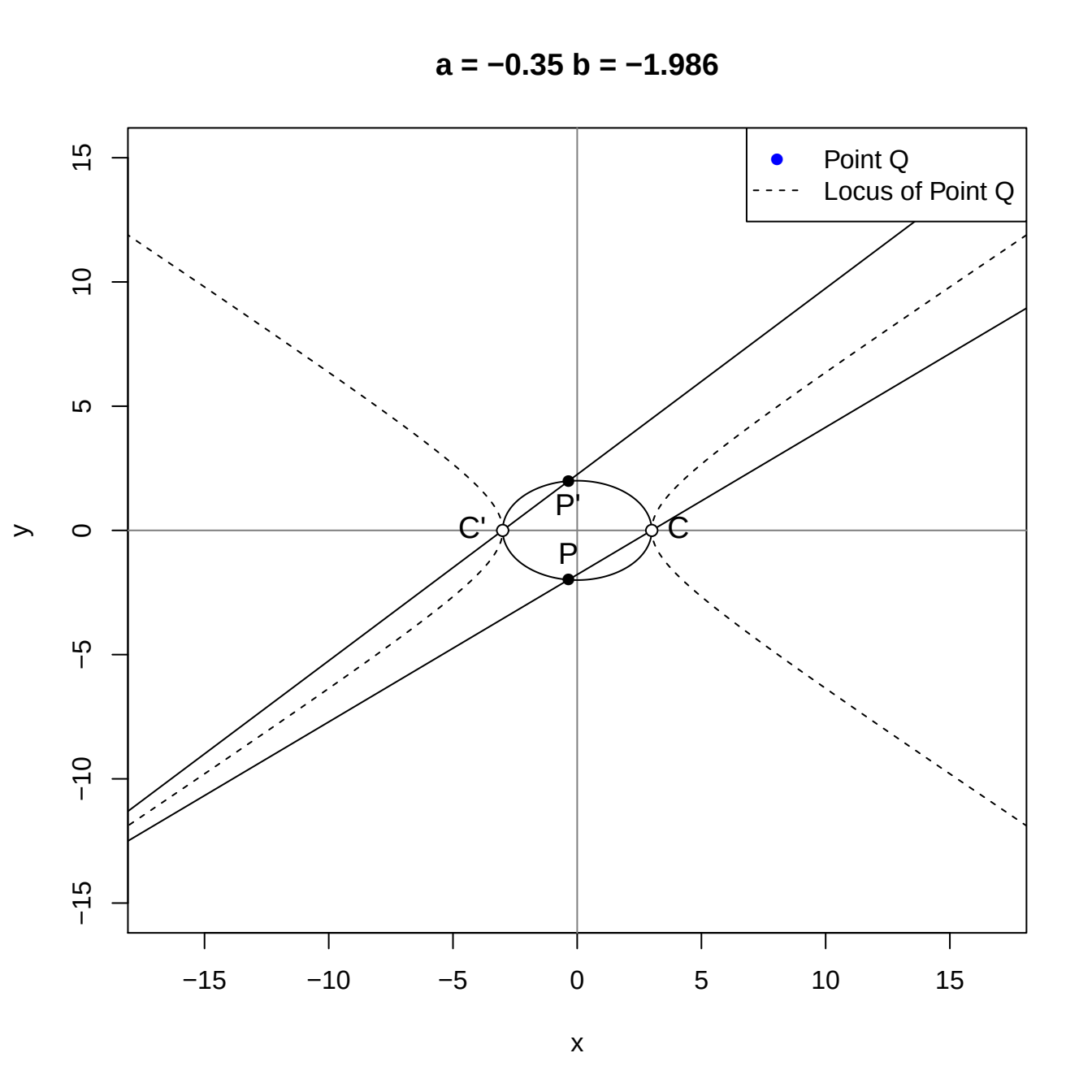

a = −0.1 b = −1.999
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

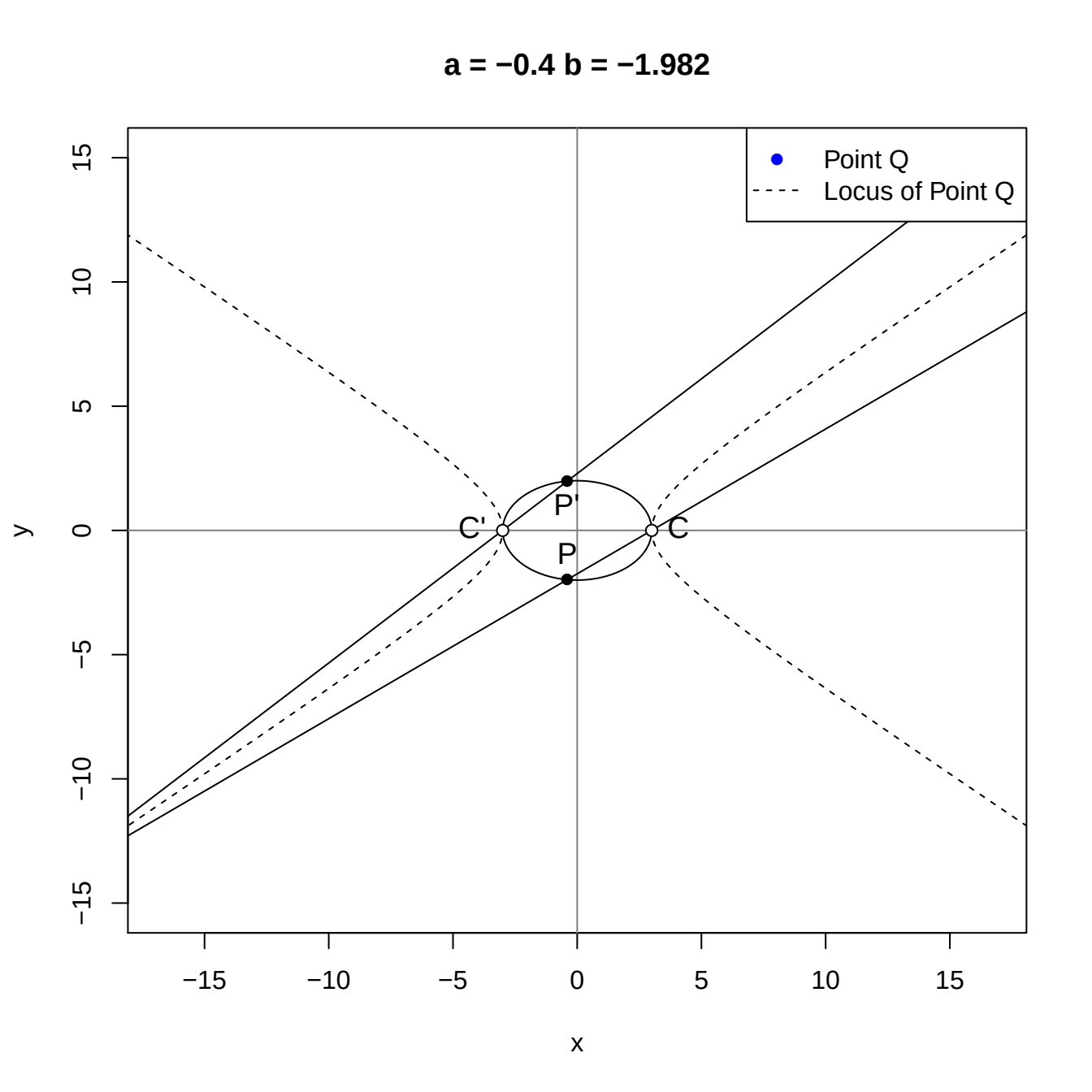

a = −0.15 b = −1.997
Point Q
Locus of Point Q
C'
C
P'
P
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

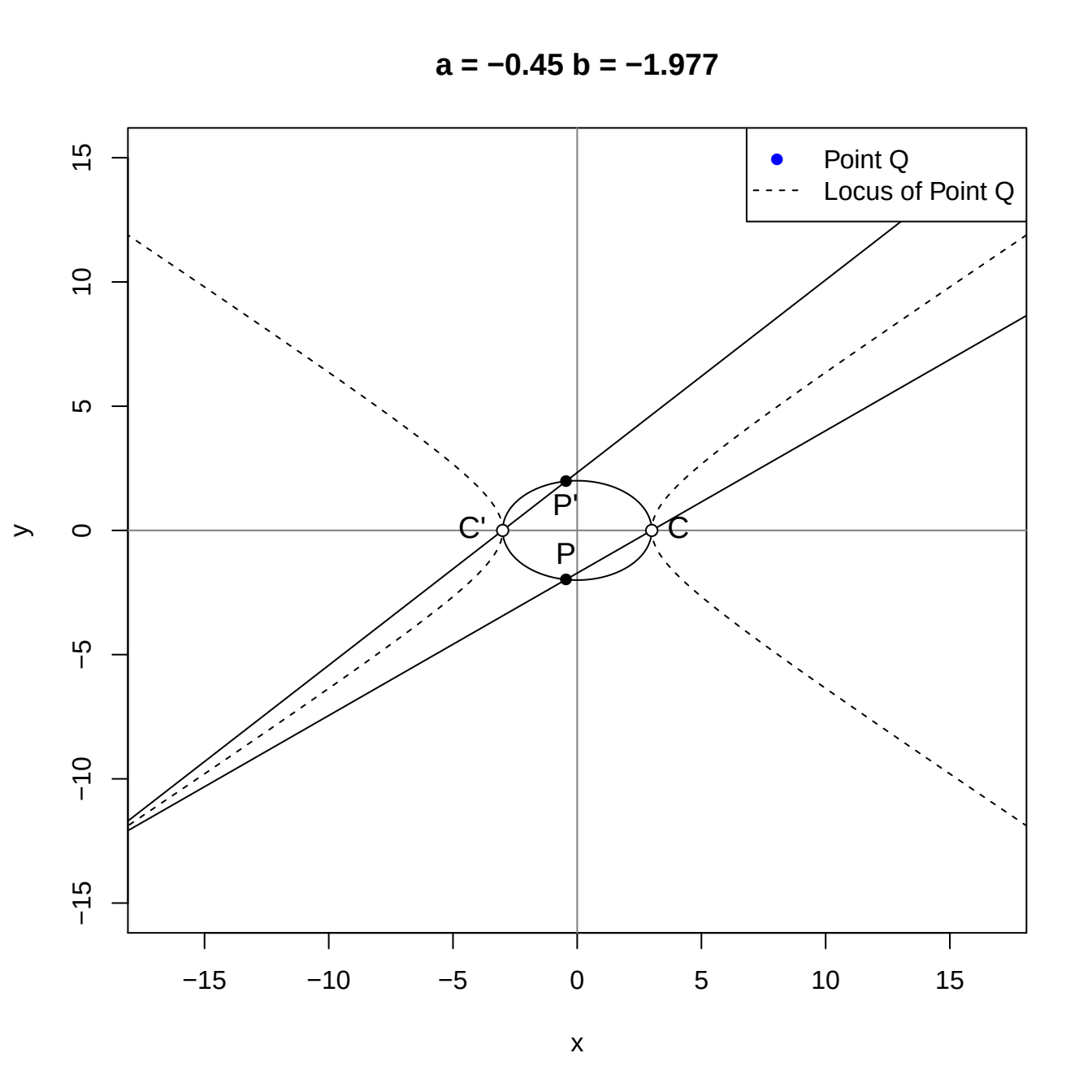

a = −0.2 b = −1.996
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

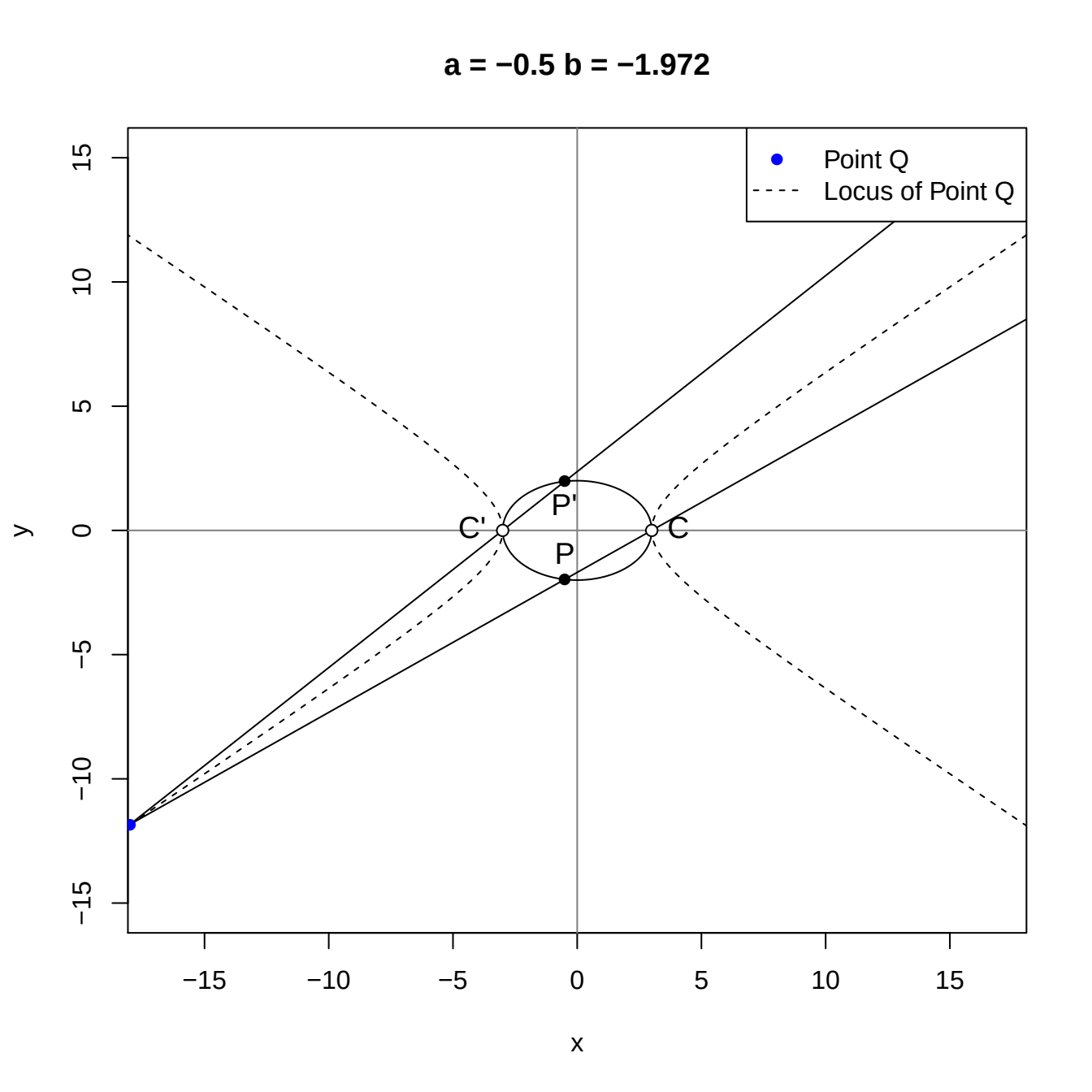

a = −0.25 b = −1.993
Point Q
Locus of Point Q
P'
P
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

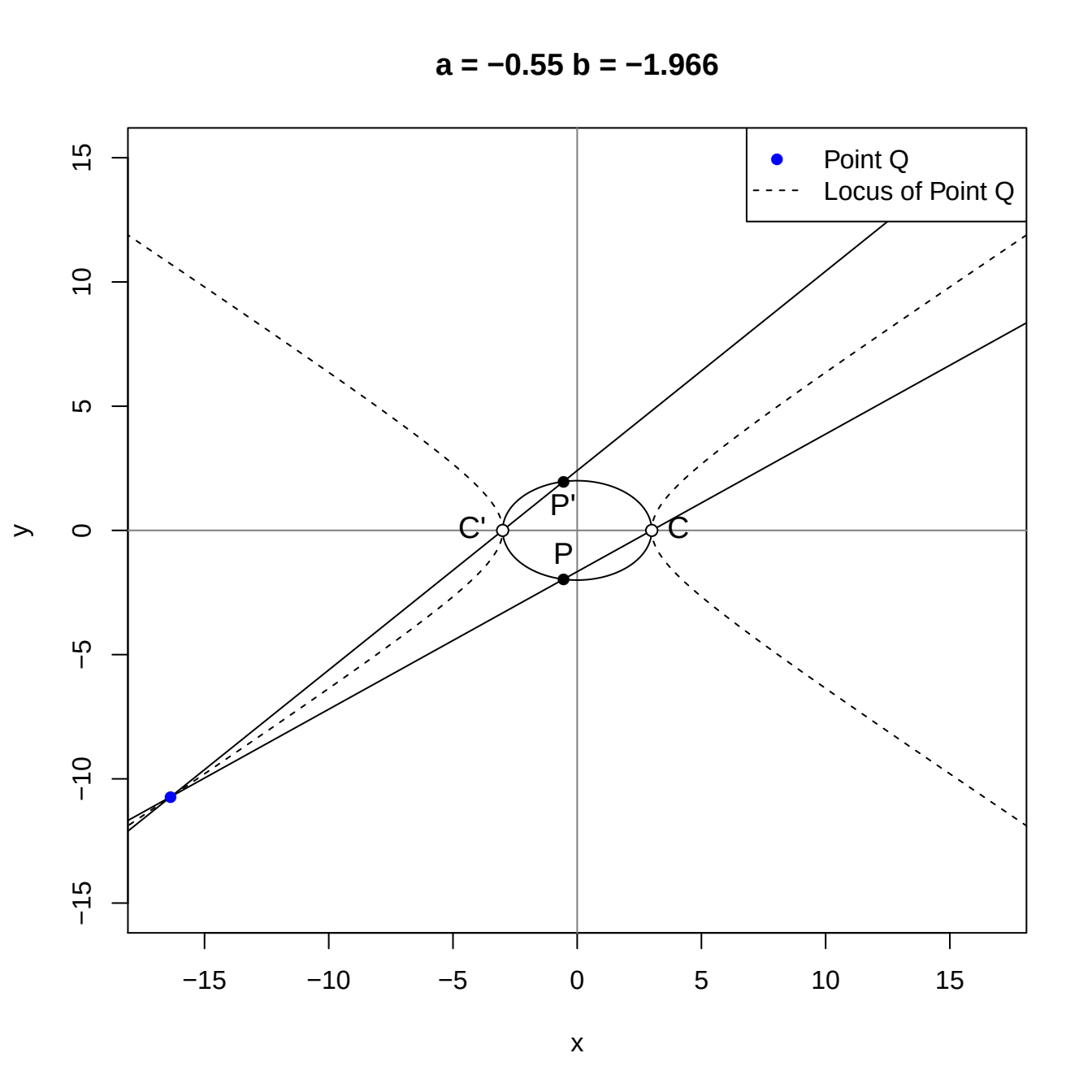

a = −0.3 b = −1.99
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

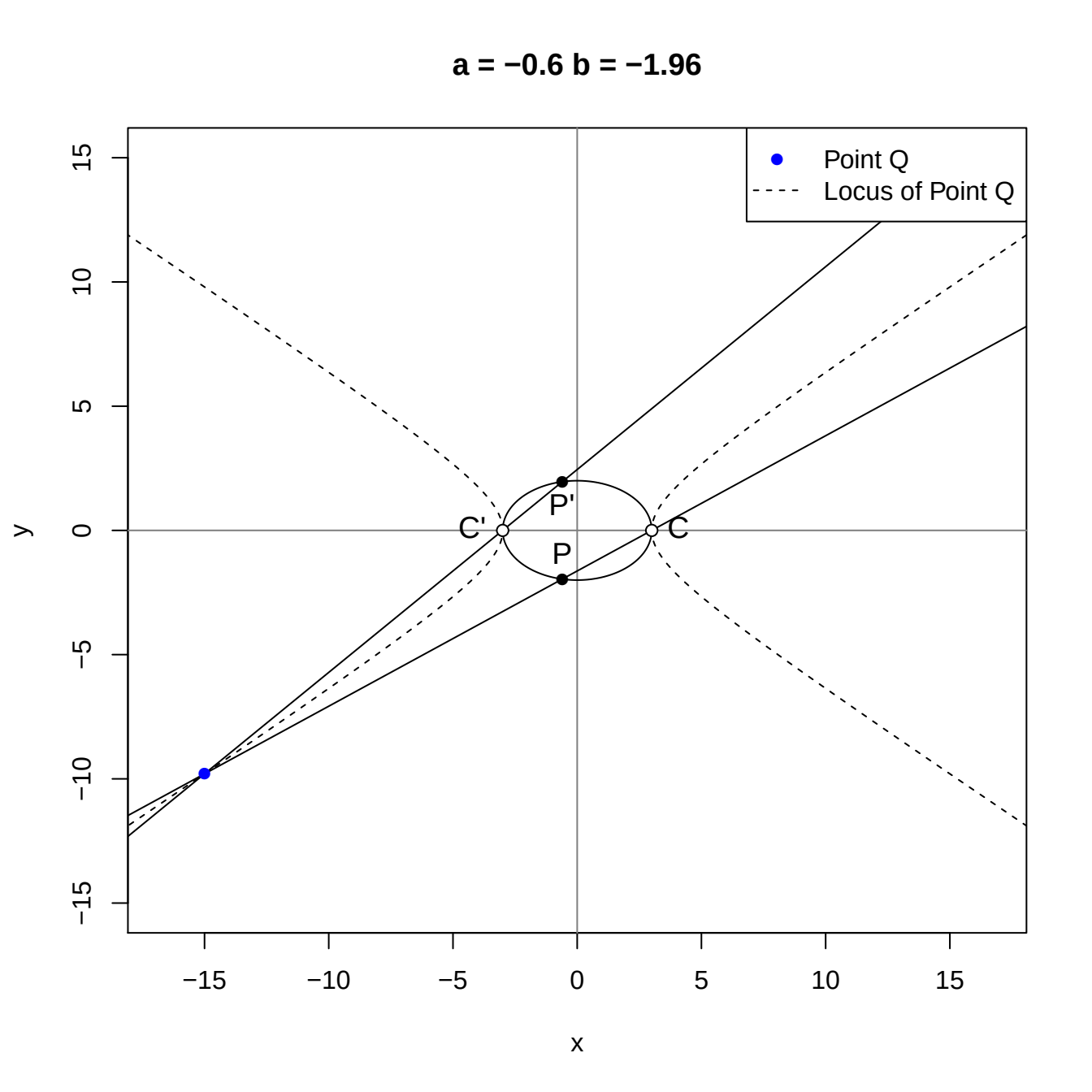

a = −0.35 b = −1.986
Point Q
Locus of Point Q
P'
P
C'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

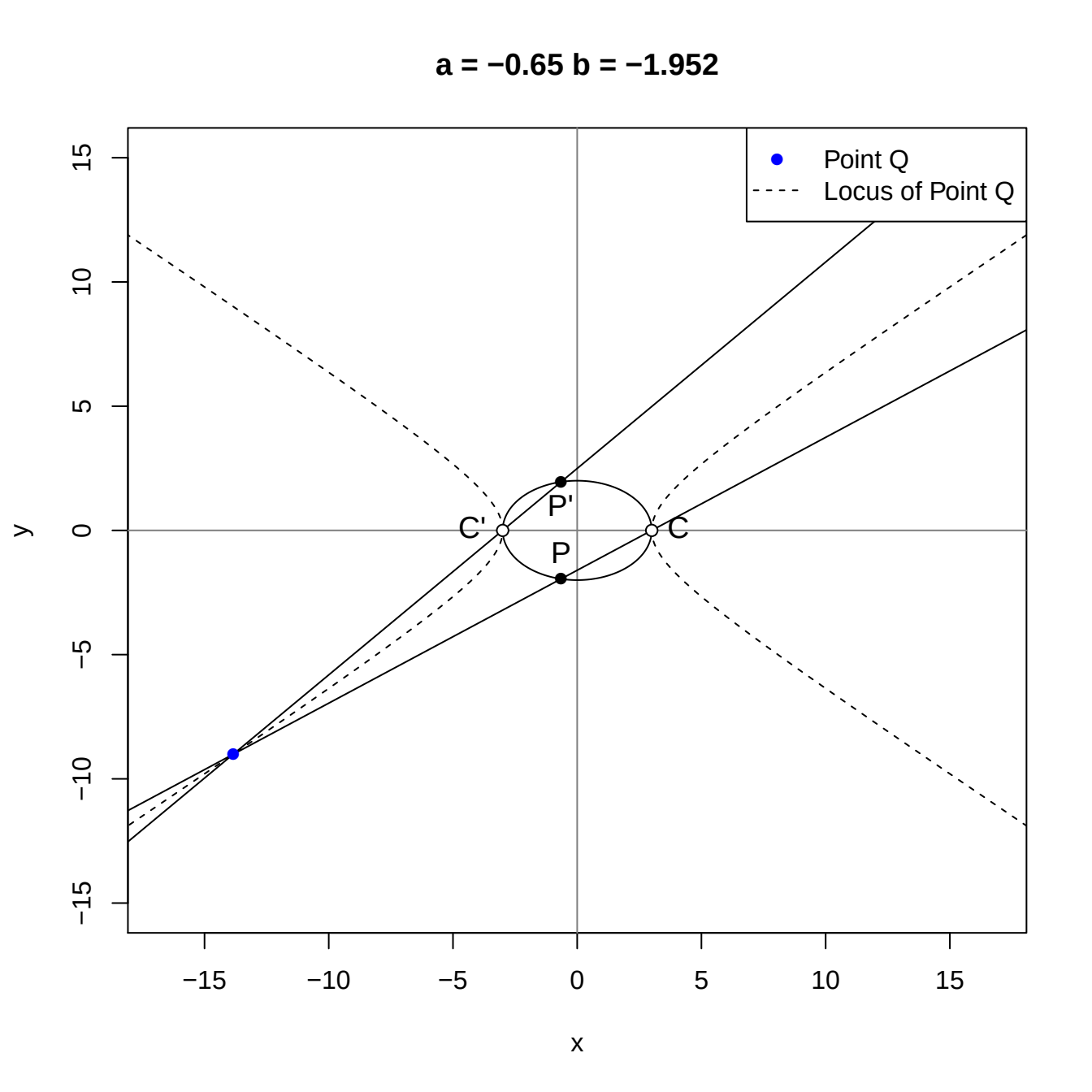

a = −0.4 b = −1.982
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

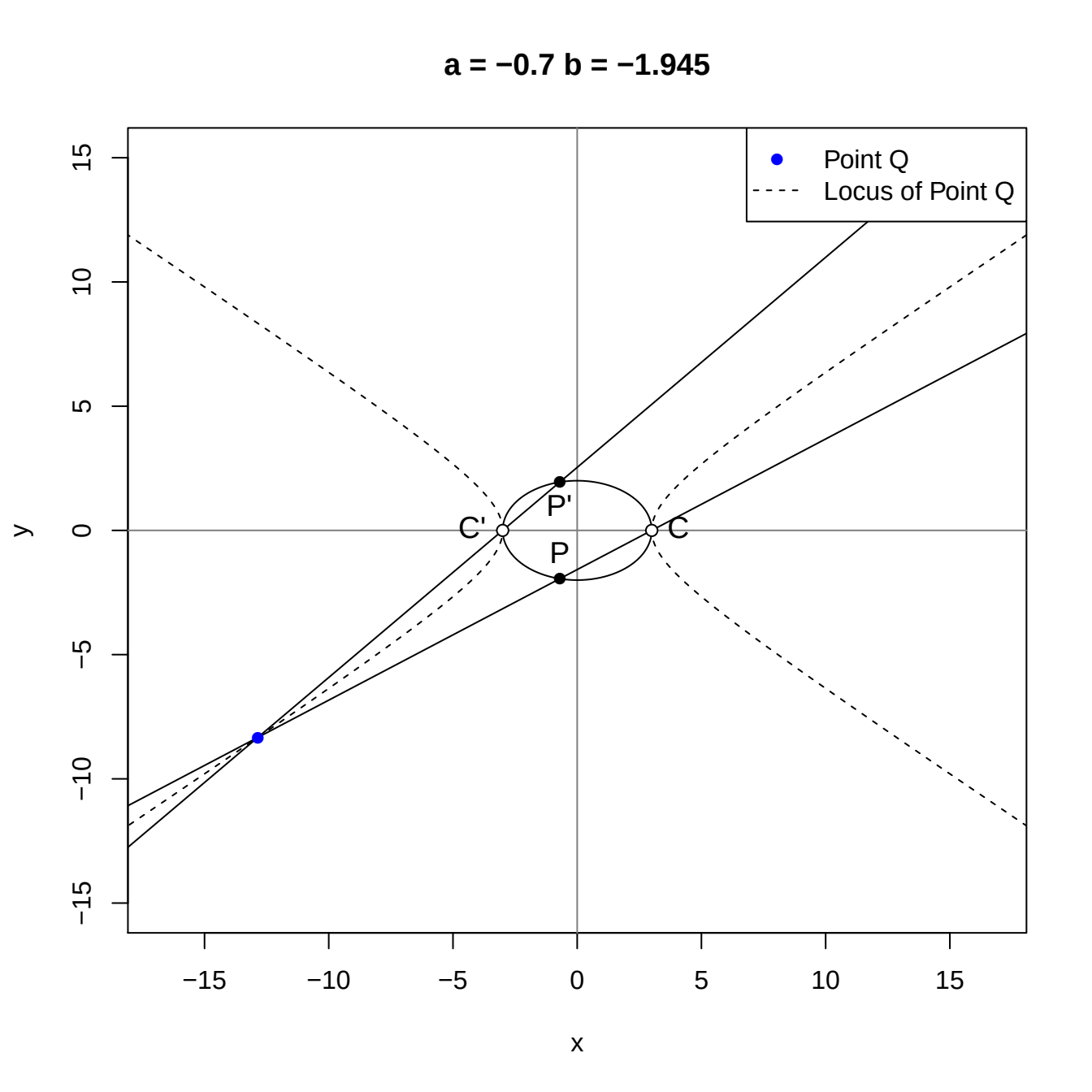

a = −0.45 b = −1.977
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

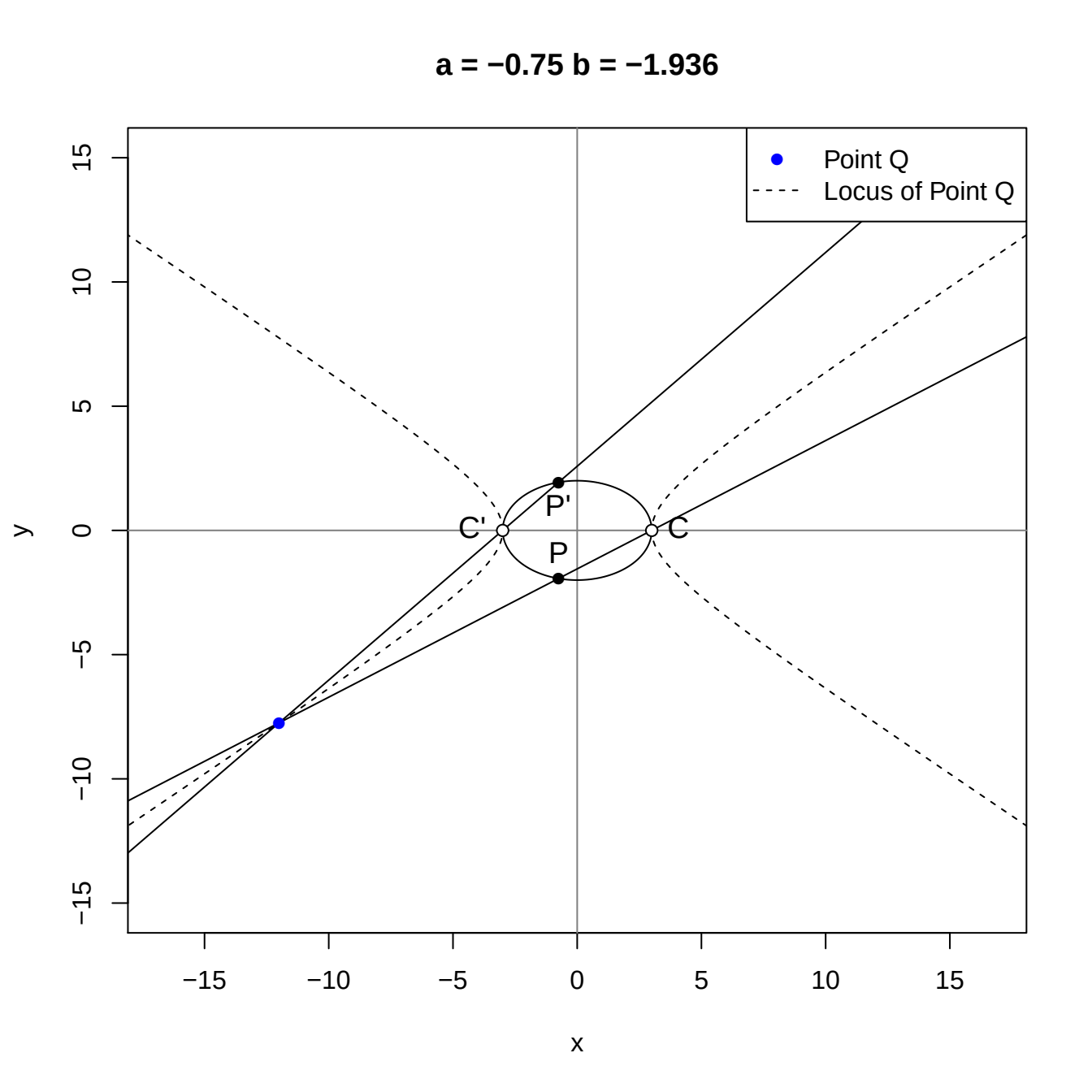

a = −0.5 b = −1.972
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

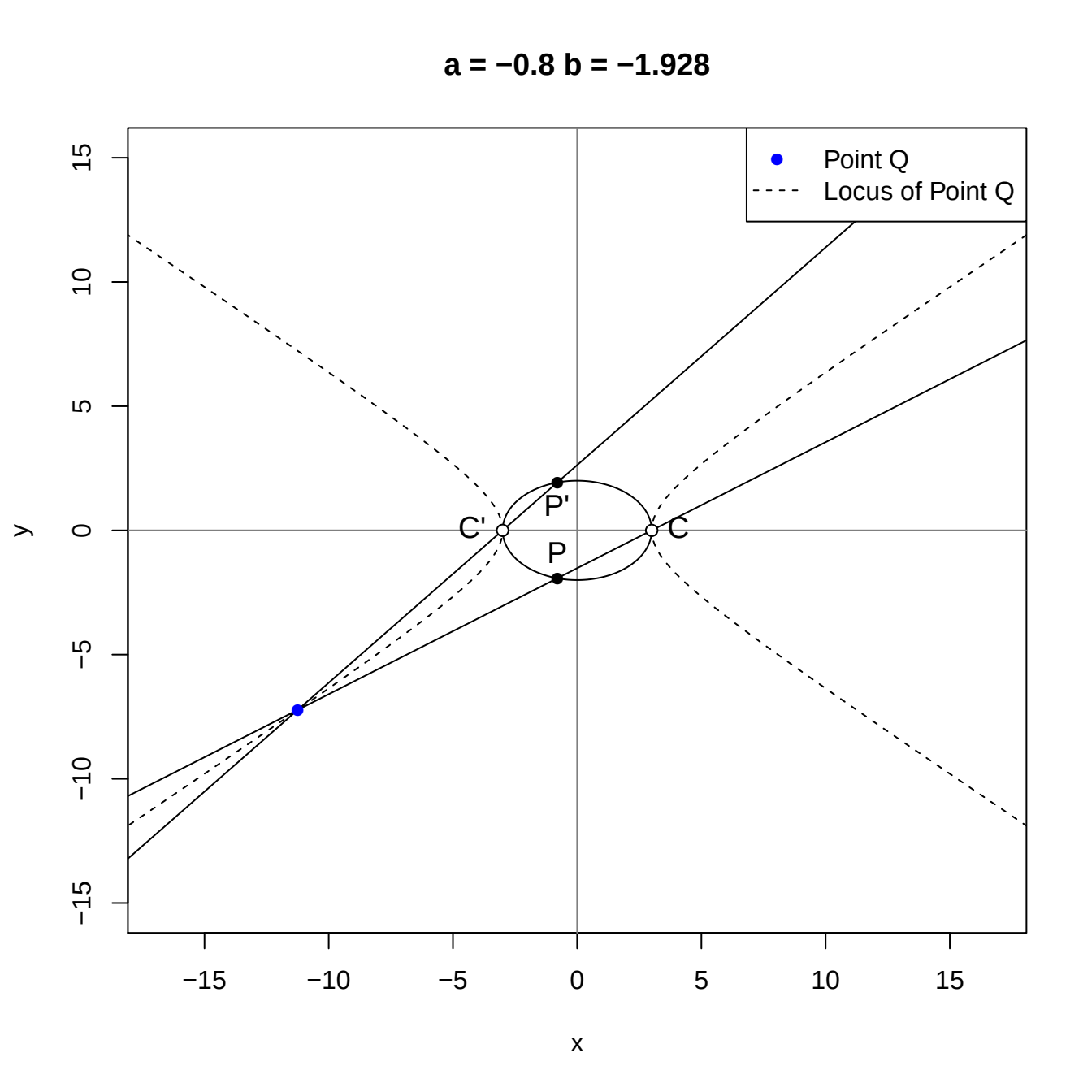

a = −0.55 b = −1.966
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

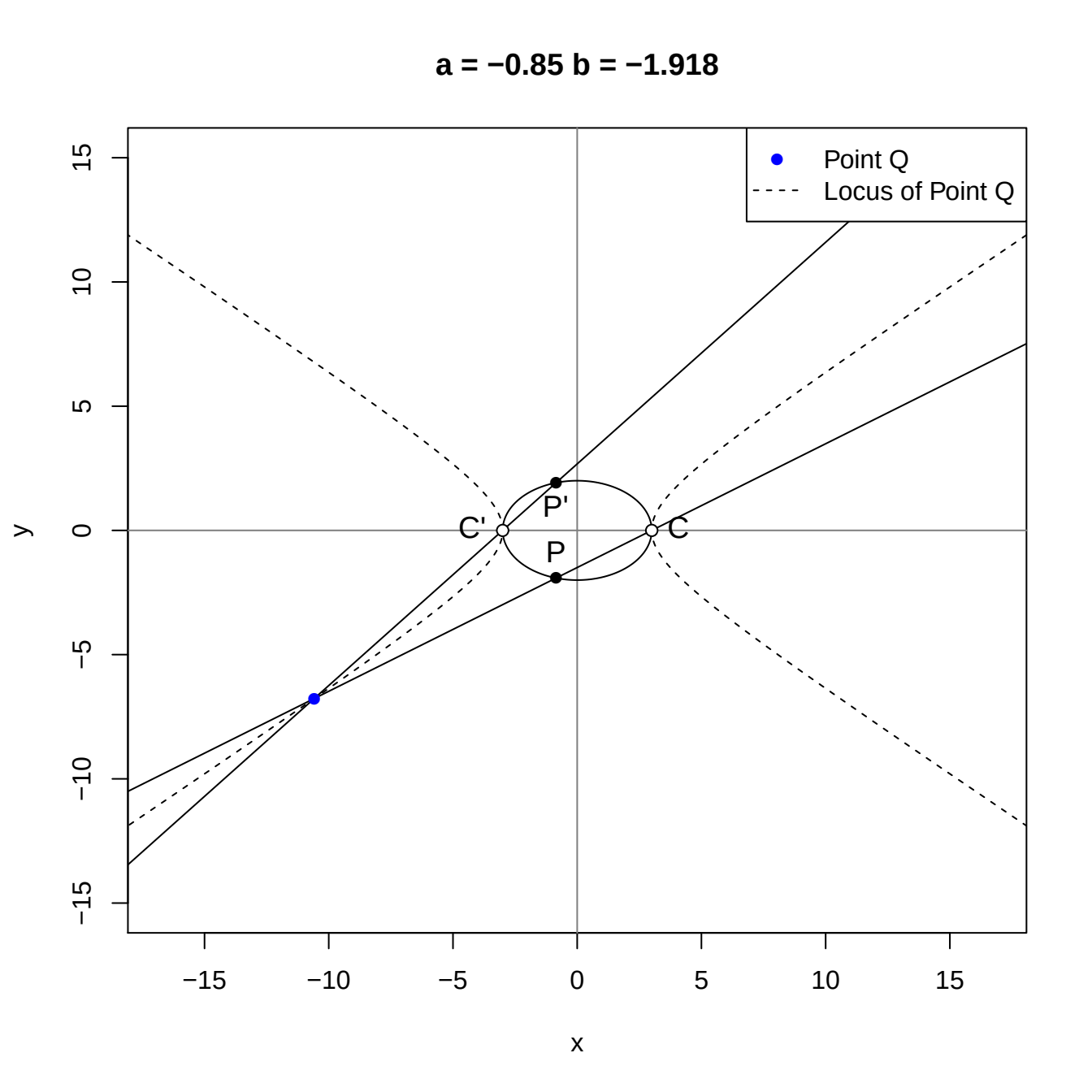

a = −0.6 b = −1.96
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

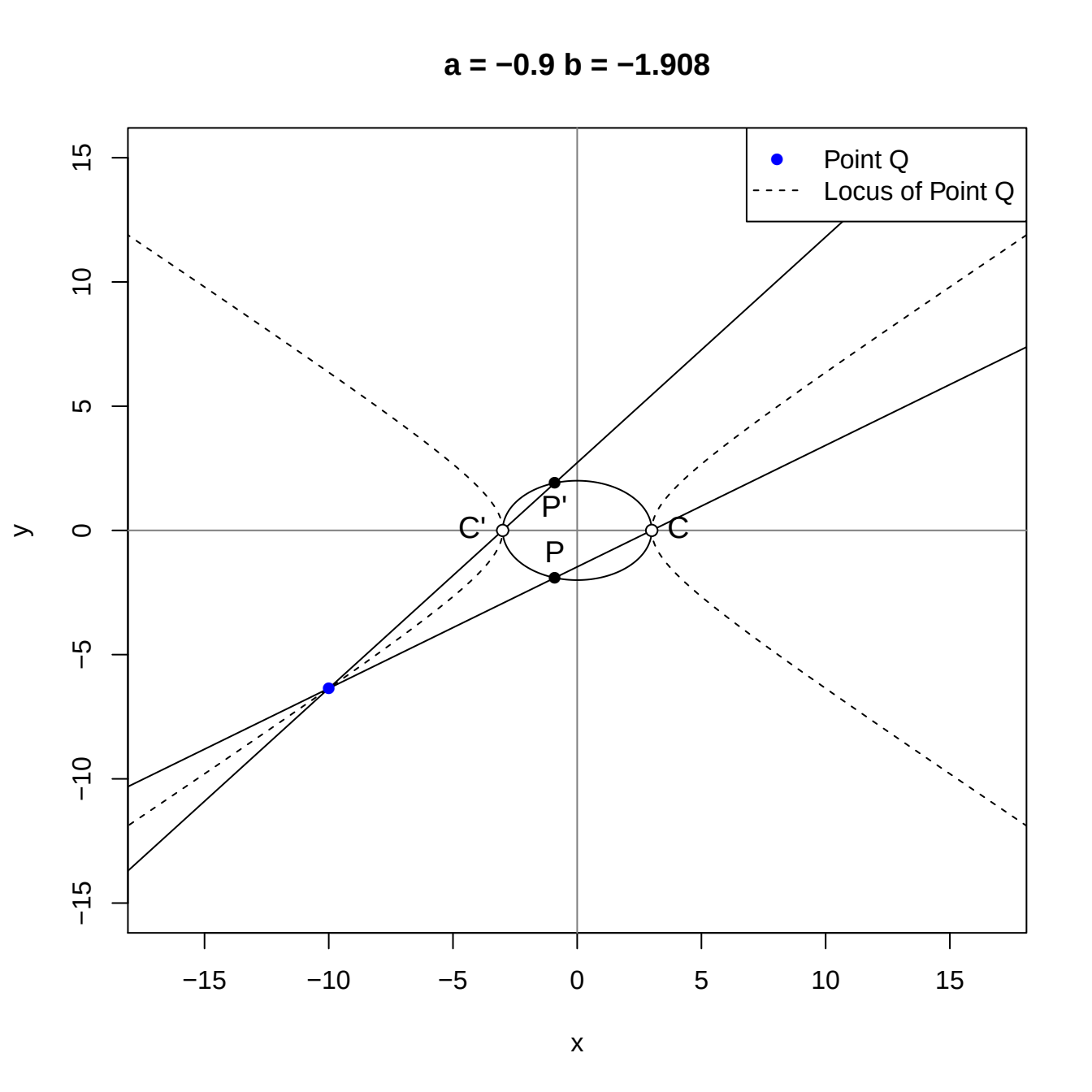

a = −0.65 b = −1.952
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

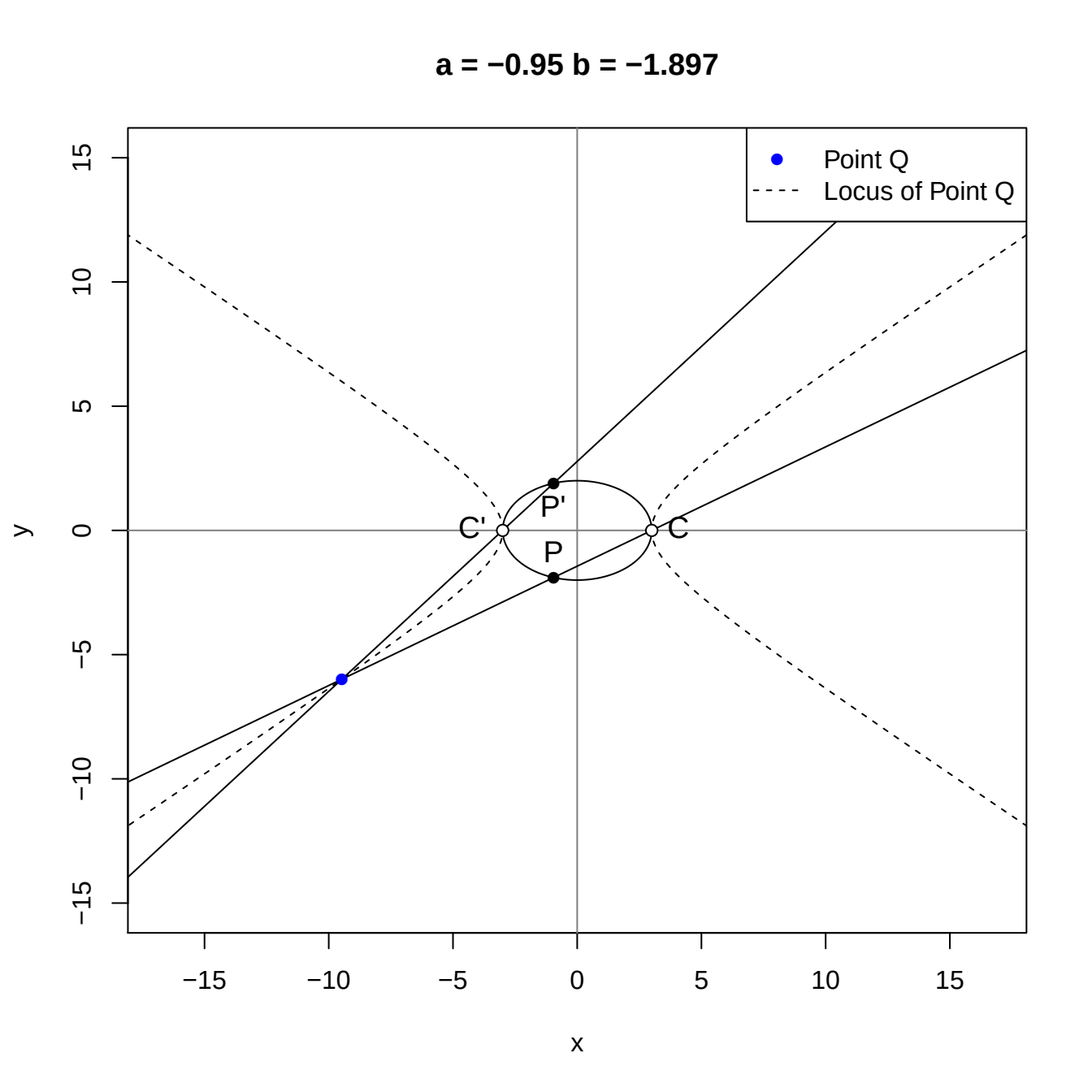

a = −0.7 b = −1.945
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

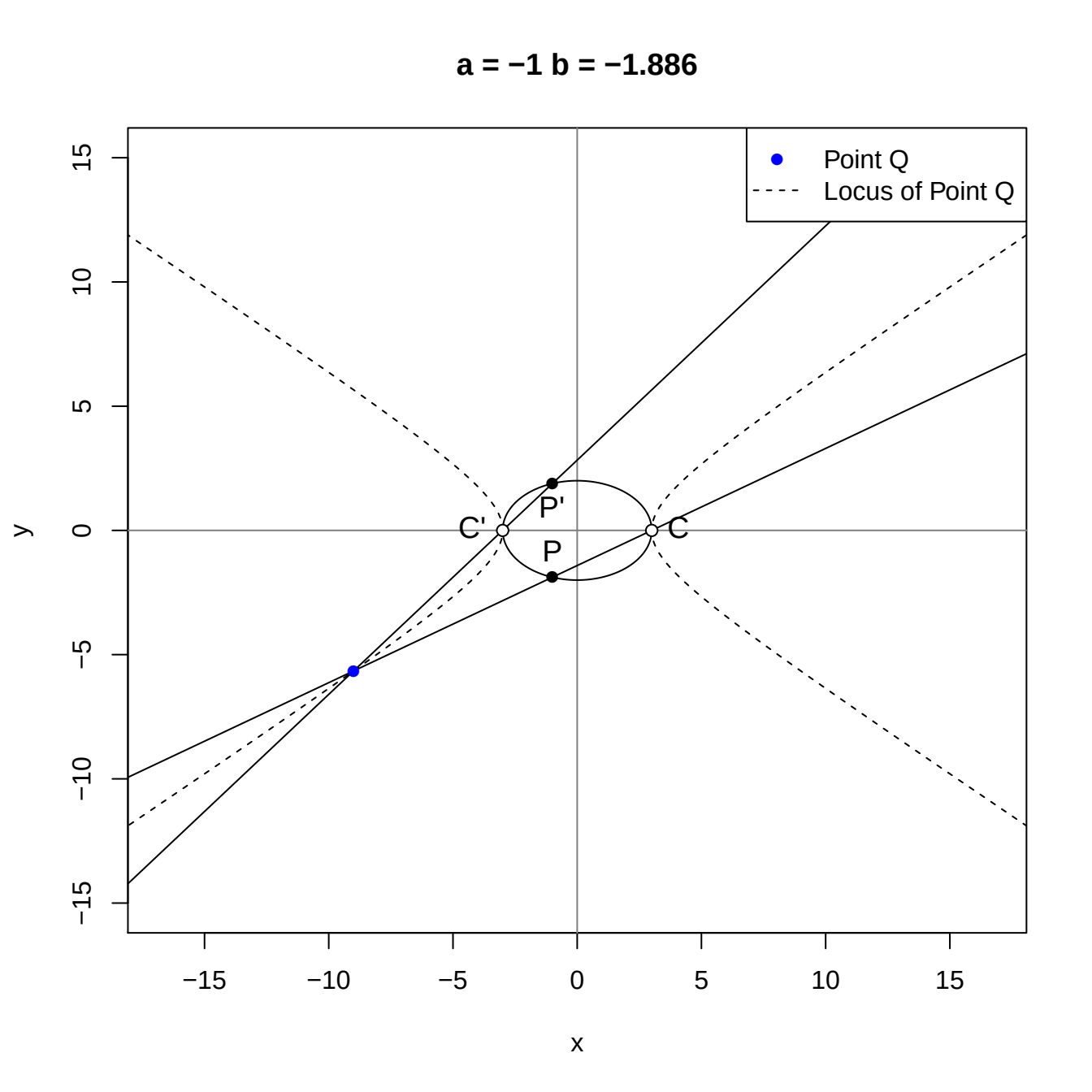

a = −0.75 b = −1.936
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

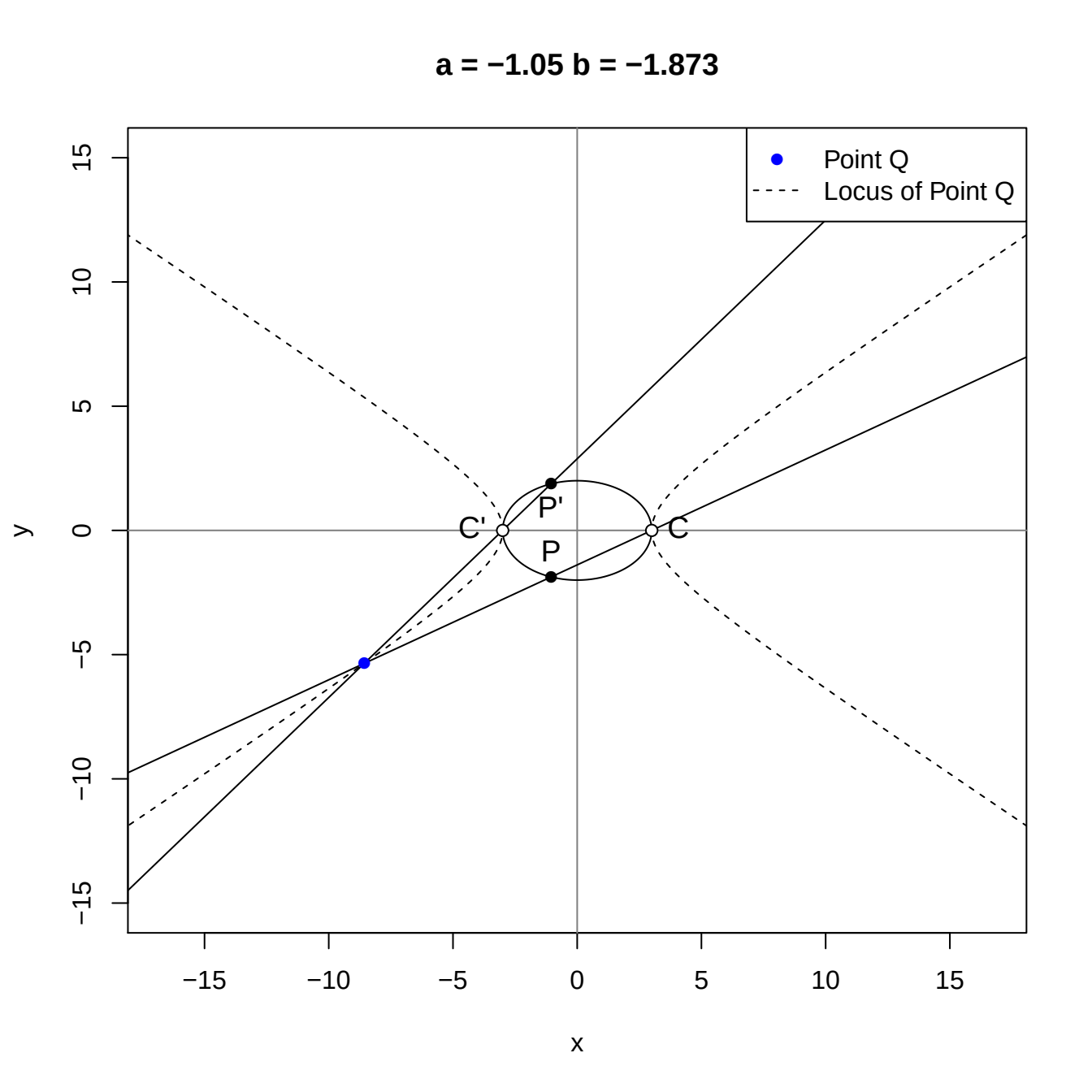

a = −0.8 b = −1.928
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

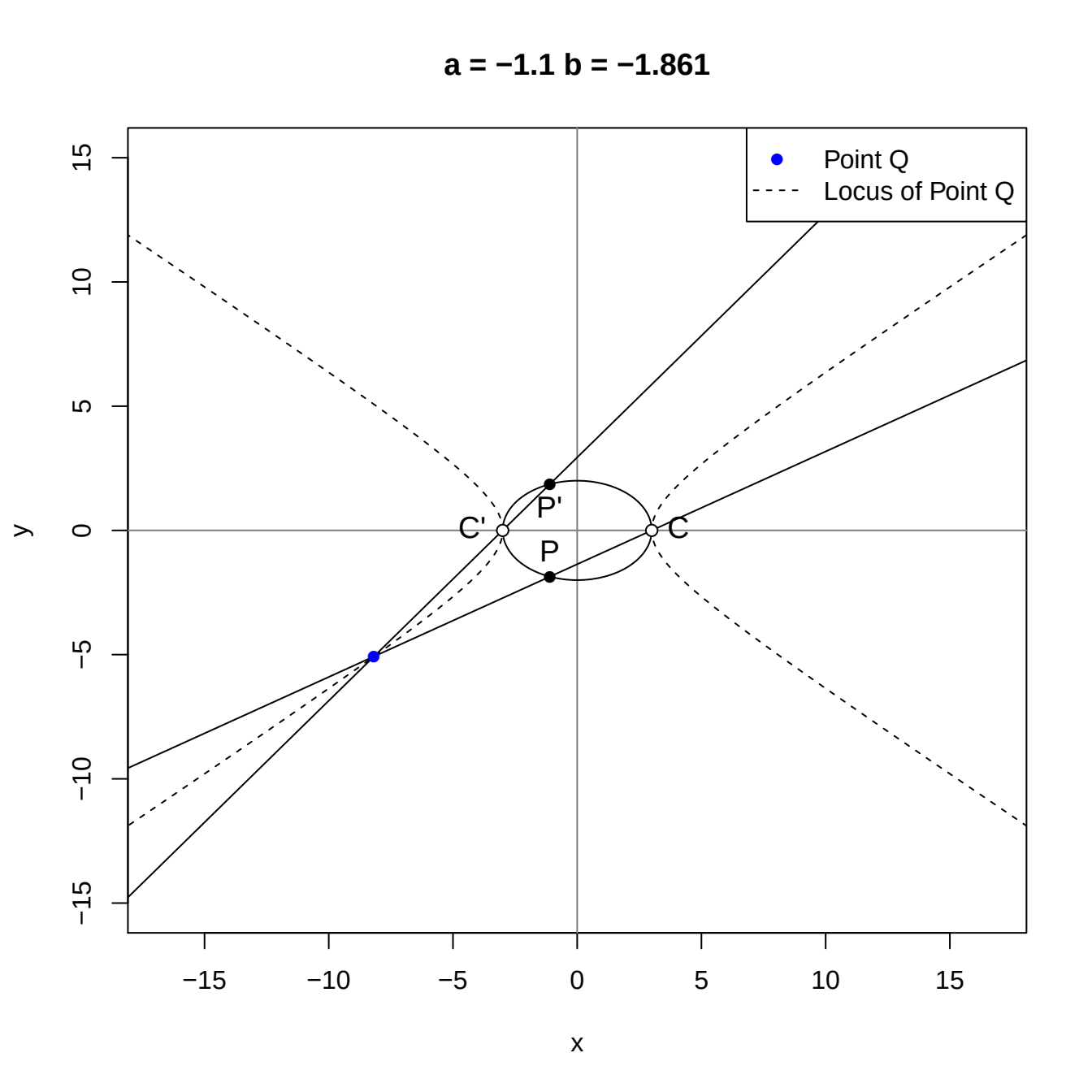

a = −0.85 b = −1.918
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

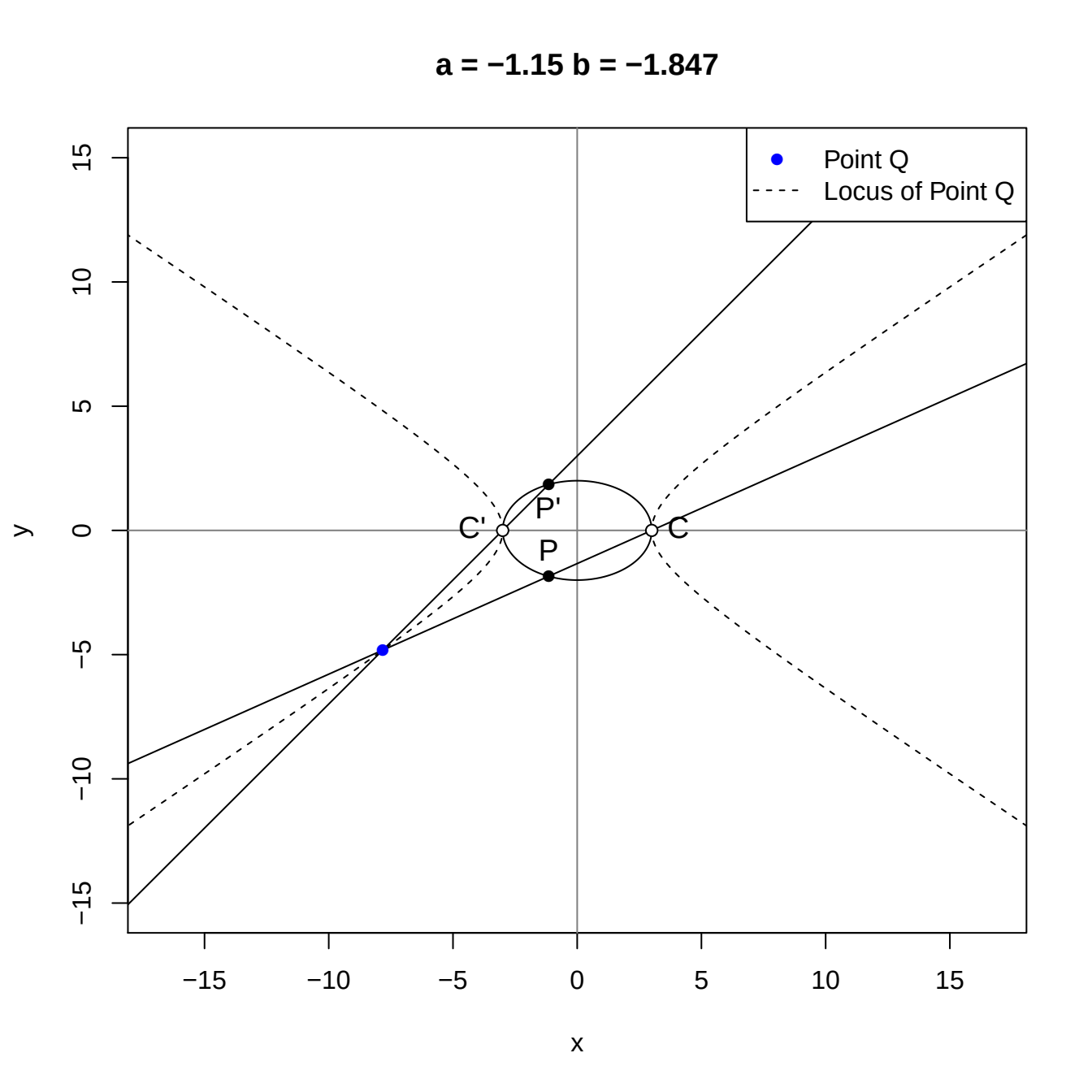

a = −0.9 b = −1.908
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

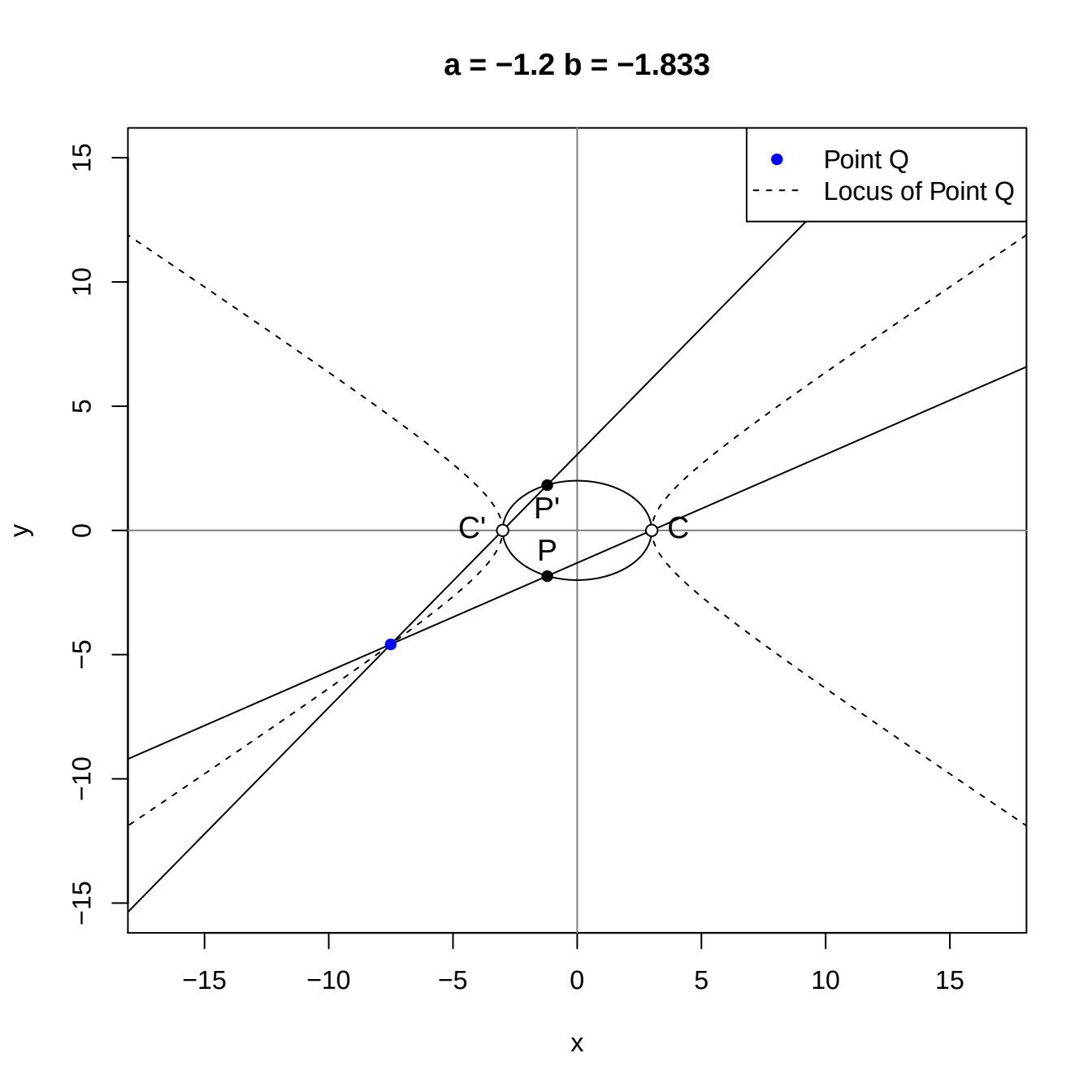

a = −0.95 b = −1.897
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

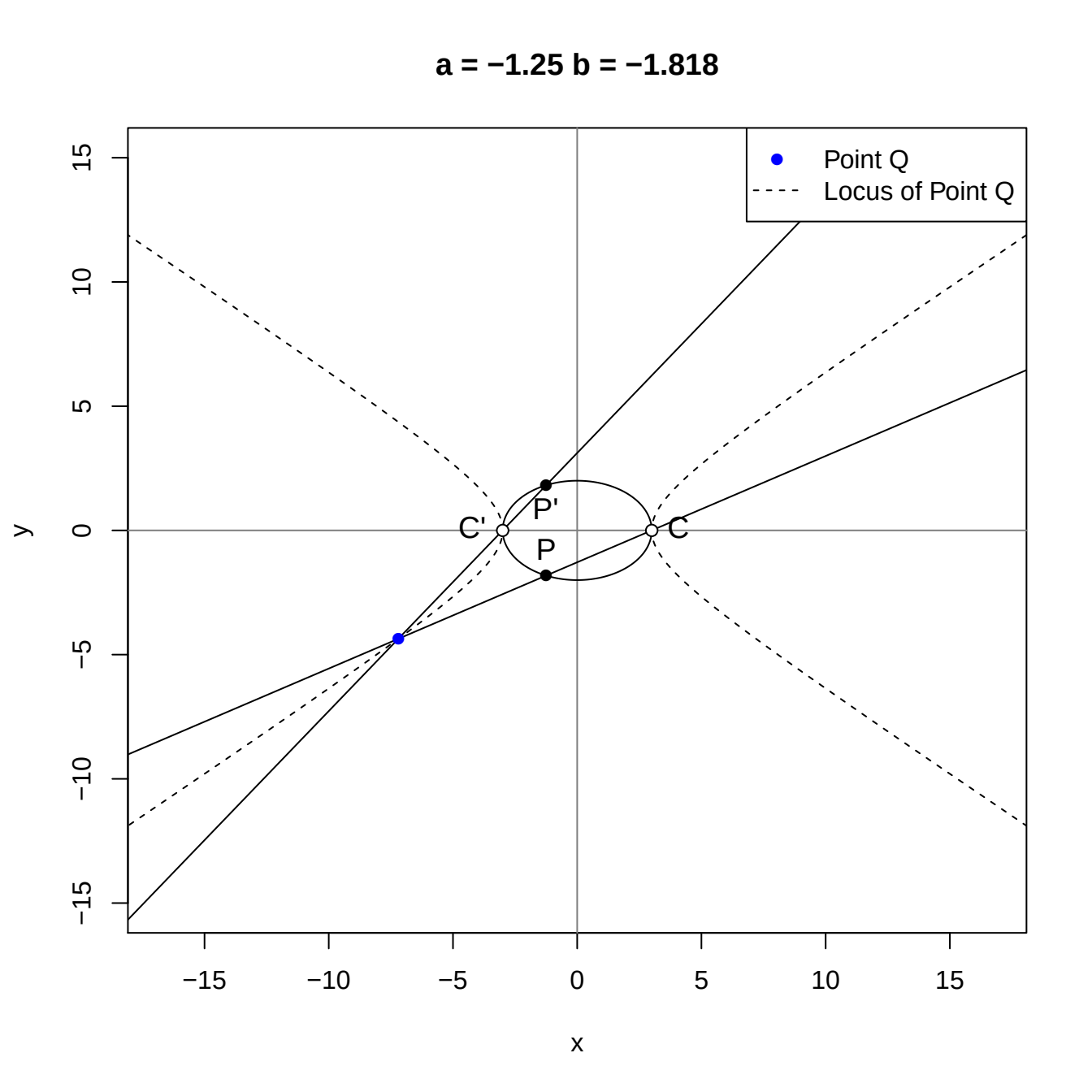

a = −1 b = −1.886
Point Q
Locus of Point Q
C'
C
P'
P
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

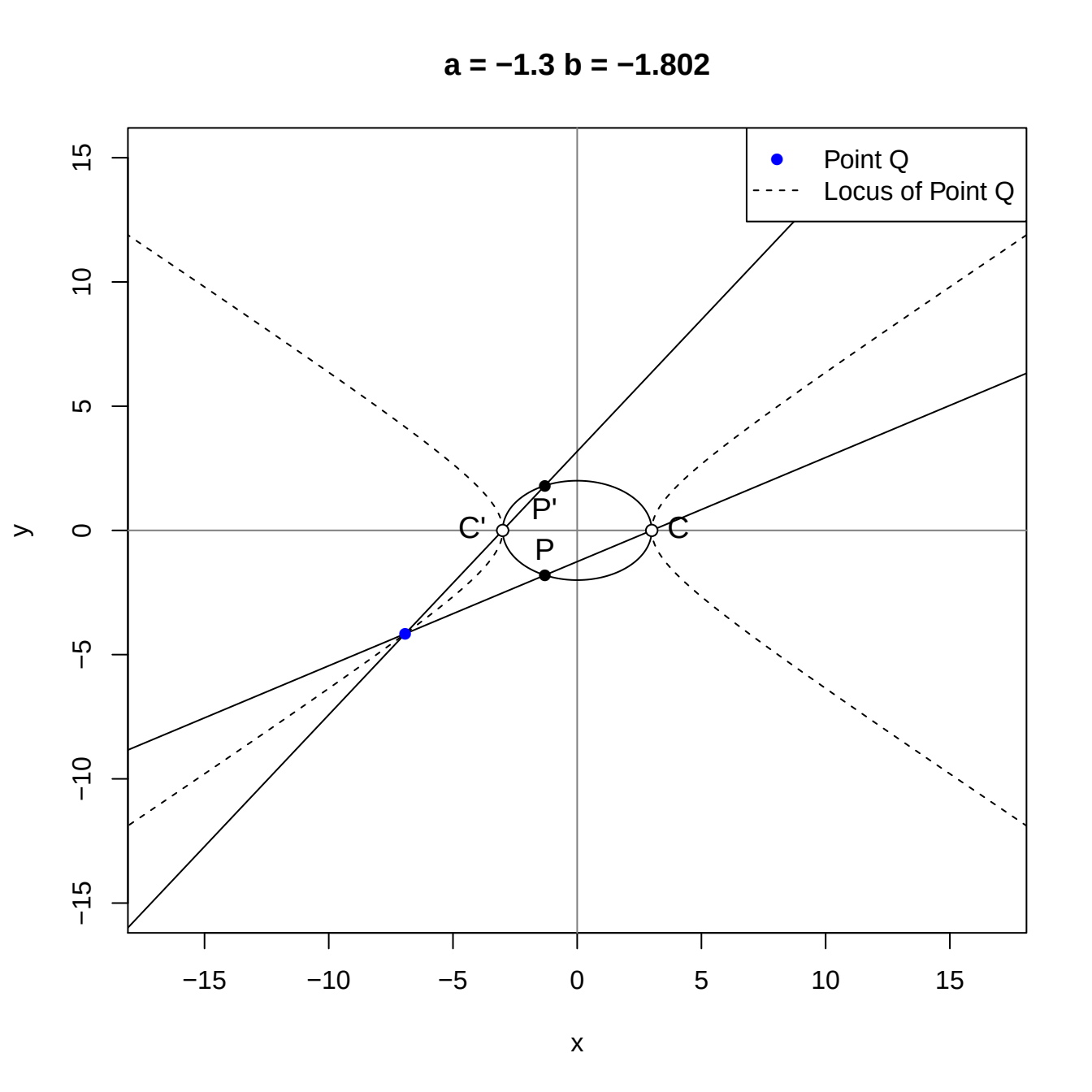

a = −1.05 b = −1.873
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

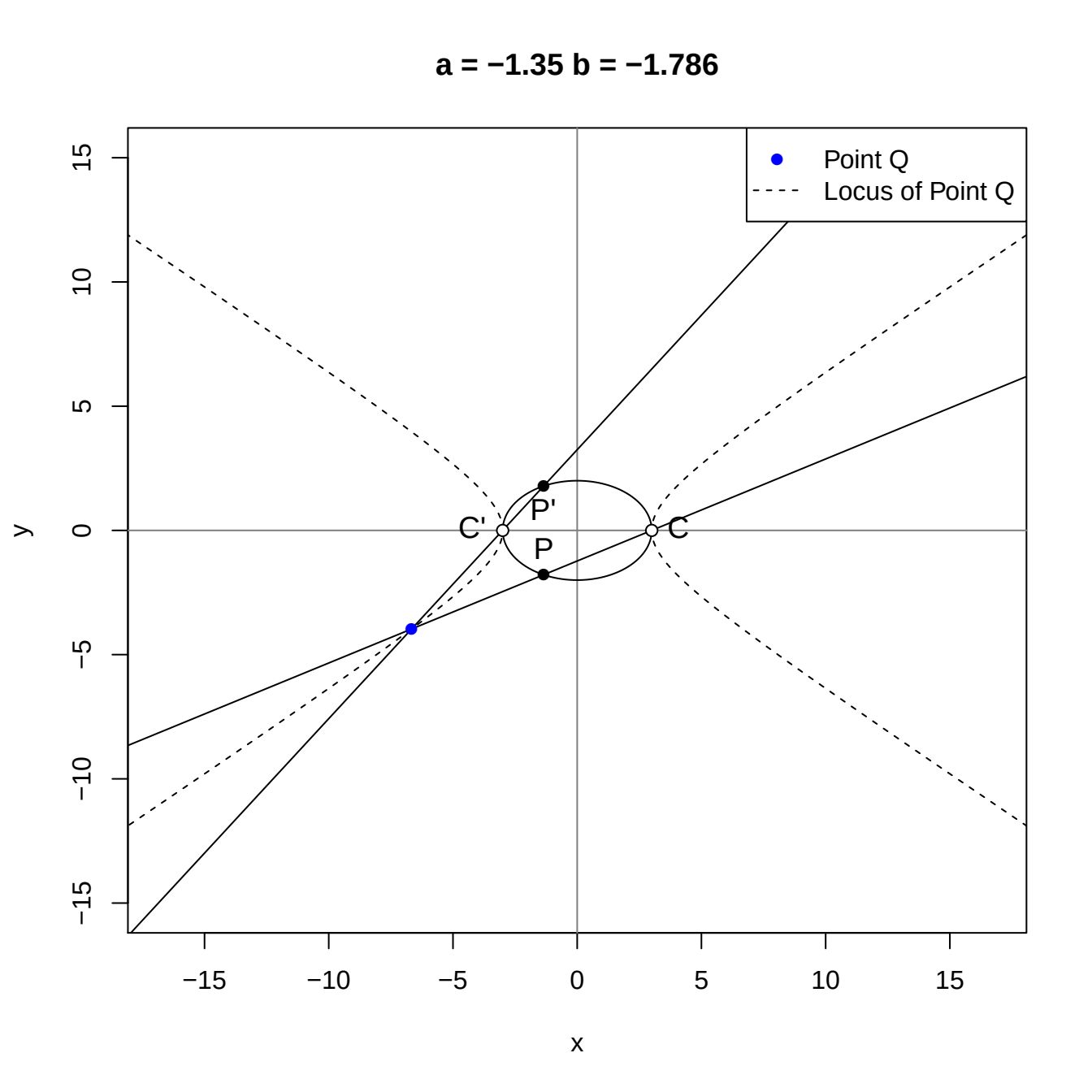

a = −1.1 b = −1.861
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

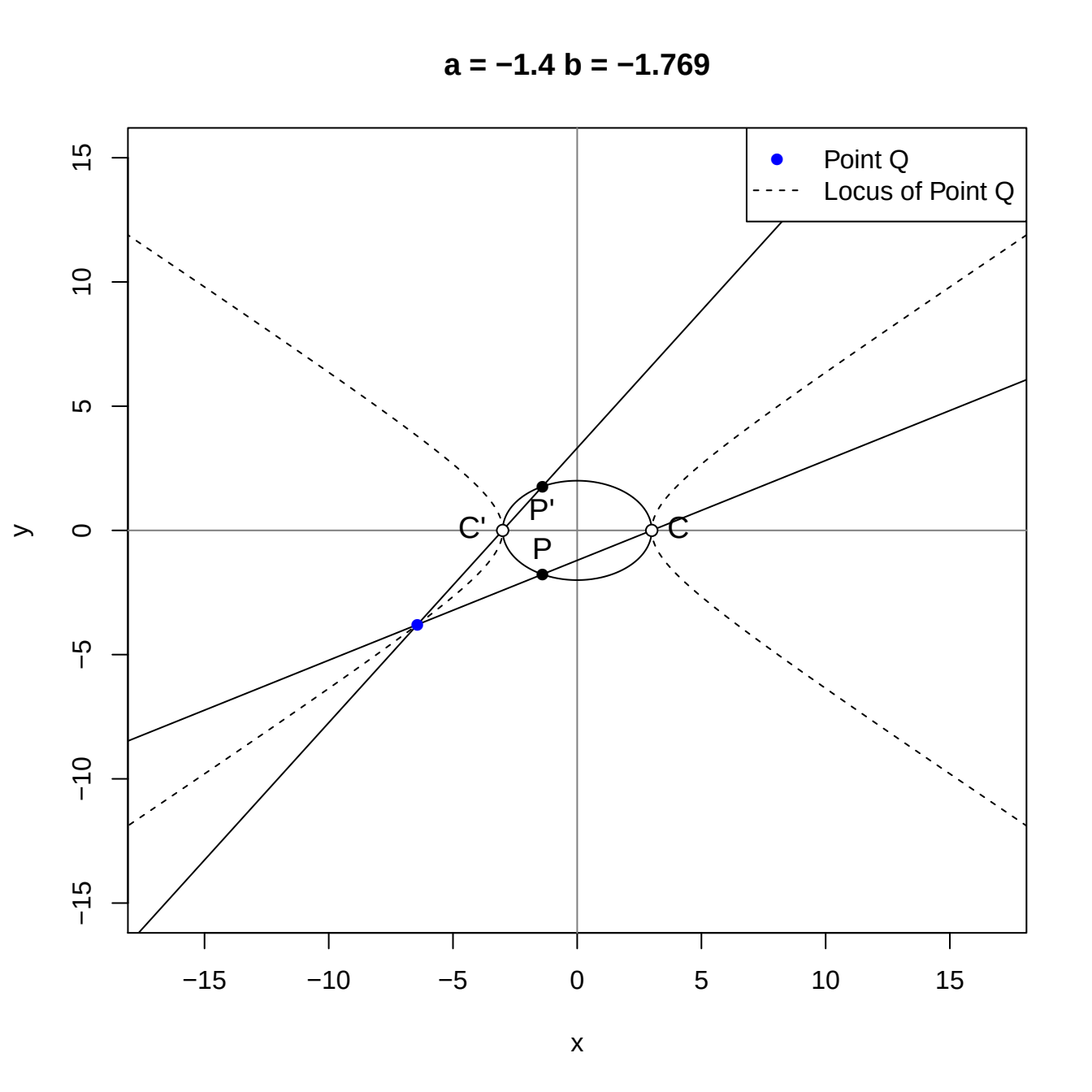

a = −1.15 b = −1.847
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

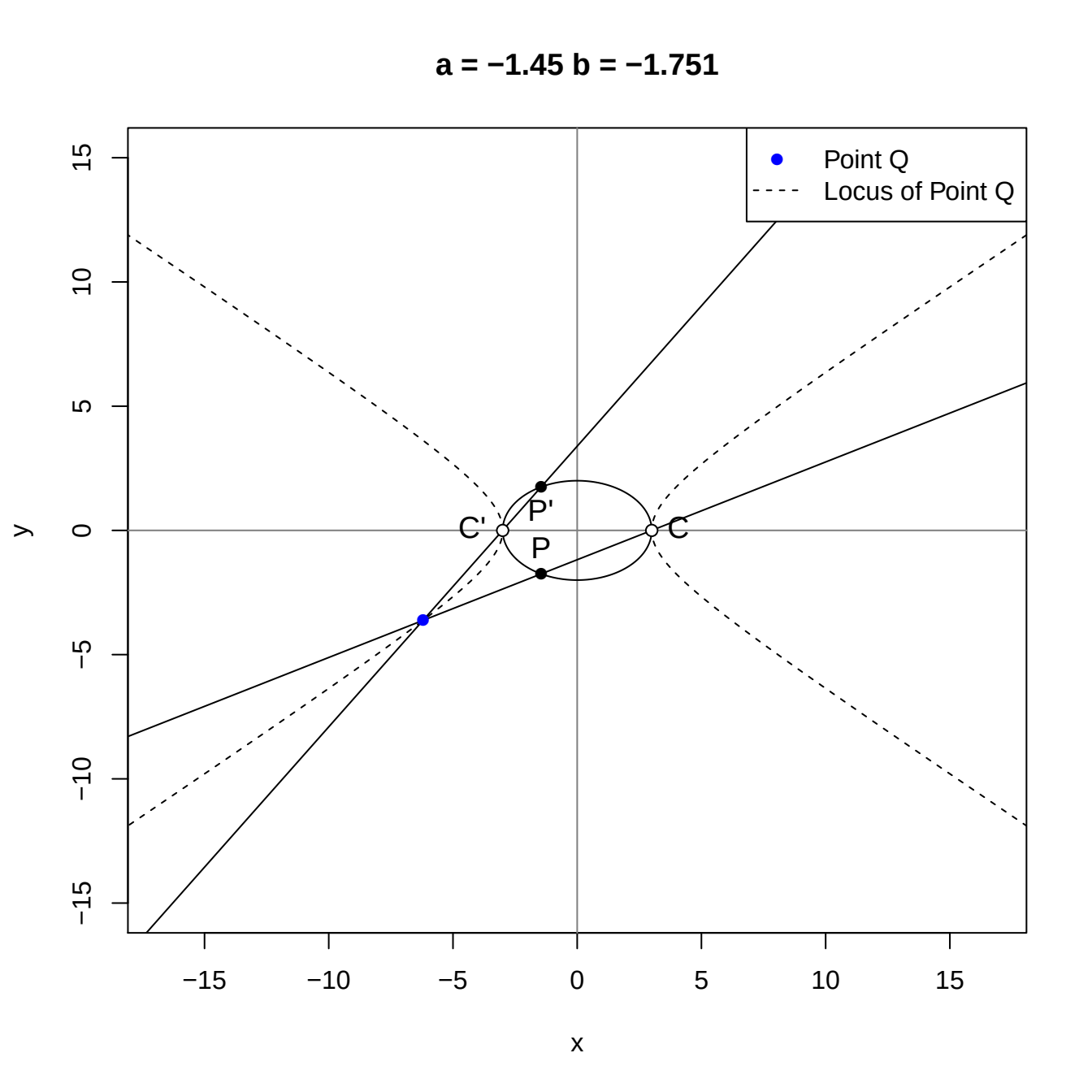

a = −1.2 b = −1.833
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

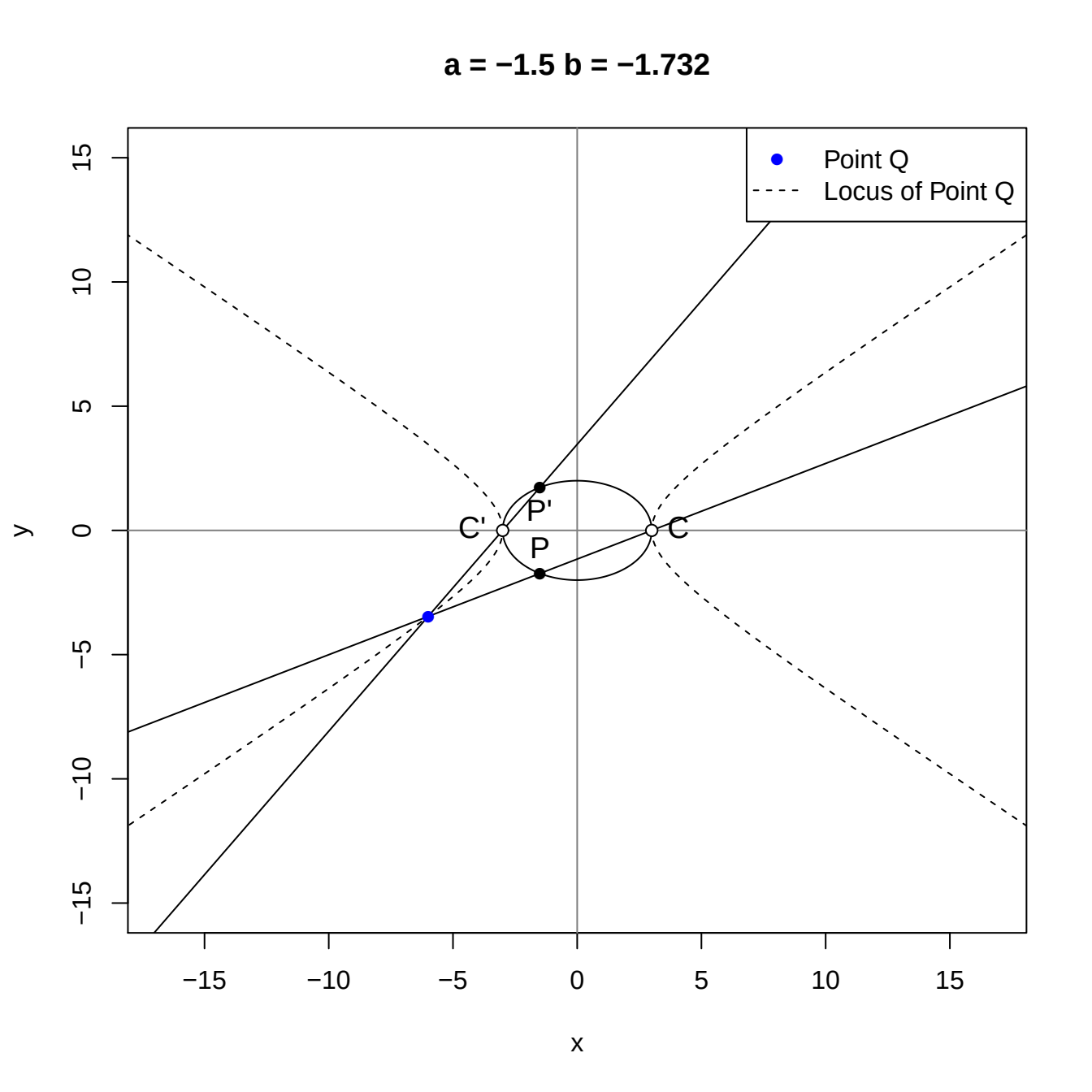

a = −1.25 b = −1.818
Point Q
Locus of Point Q
C'
C
P'
P
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

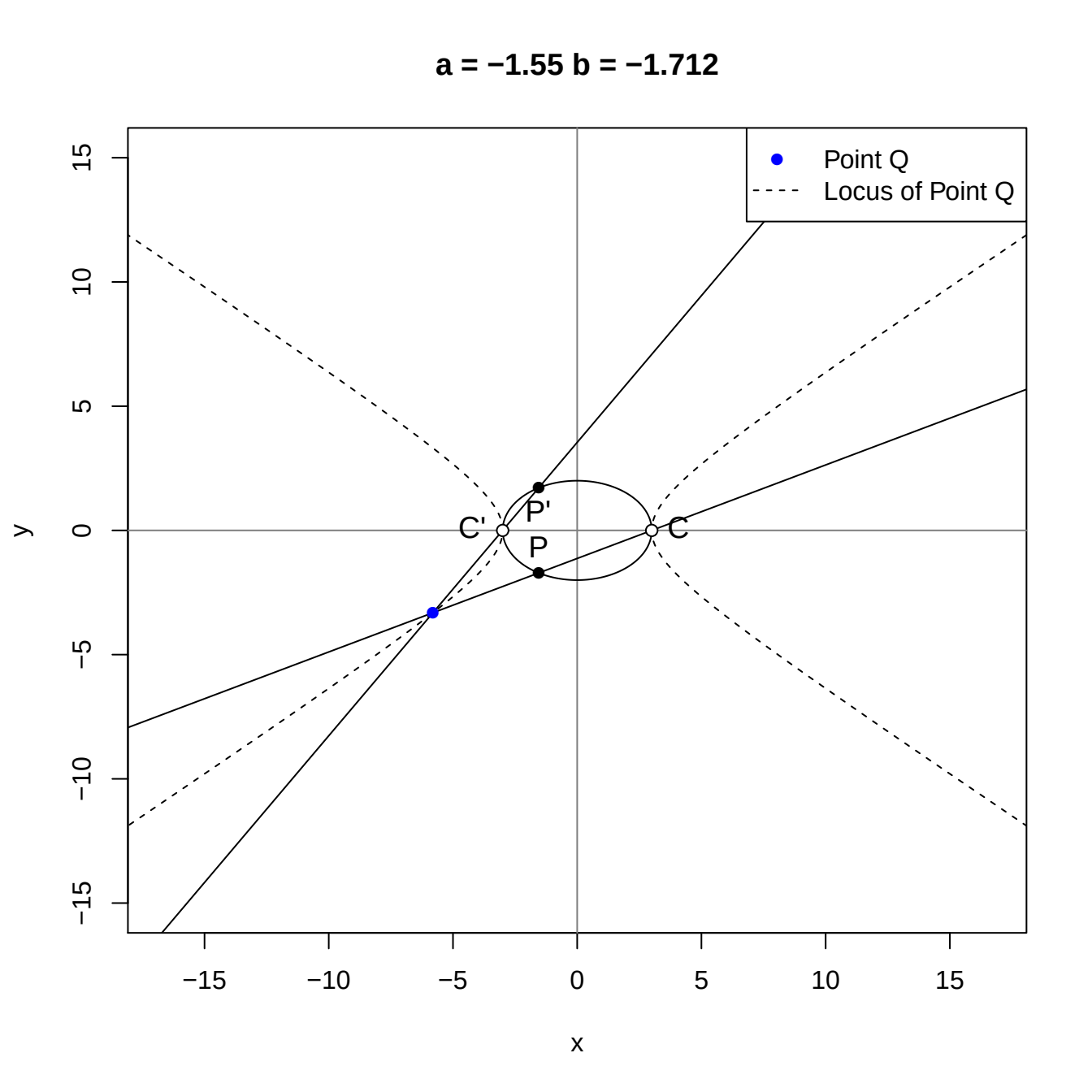

a = −1.3 b = −1.802
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

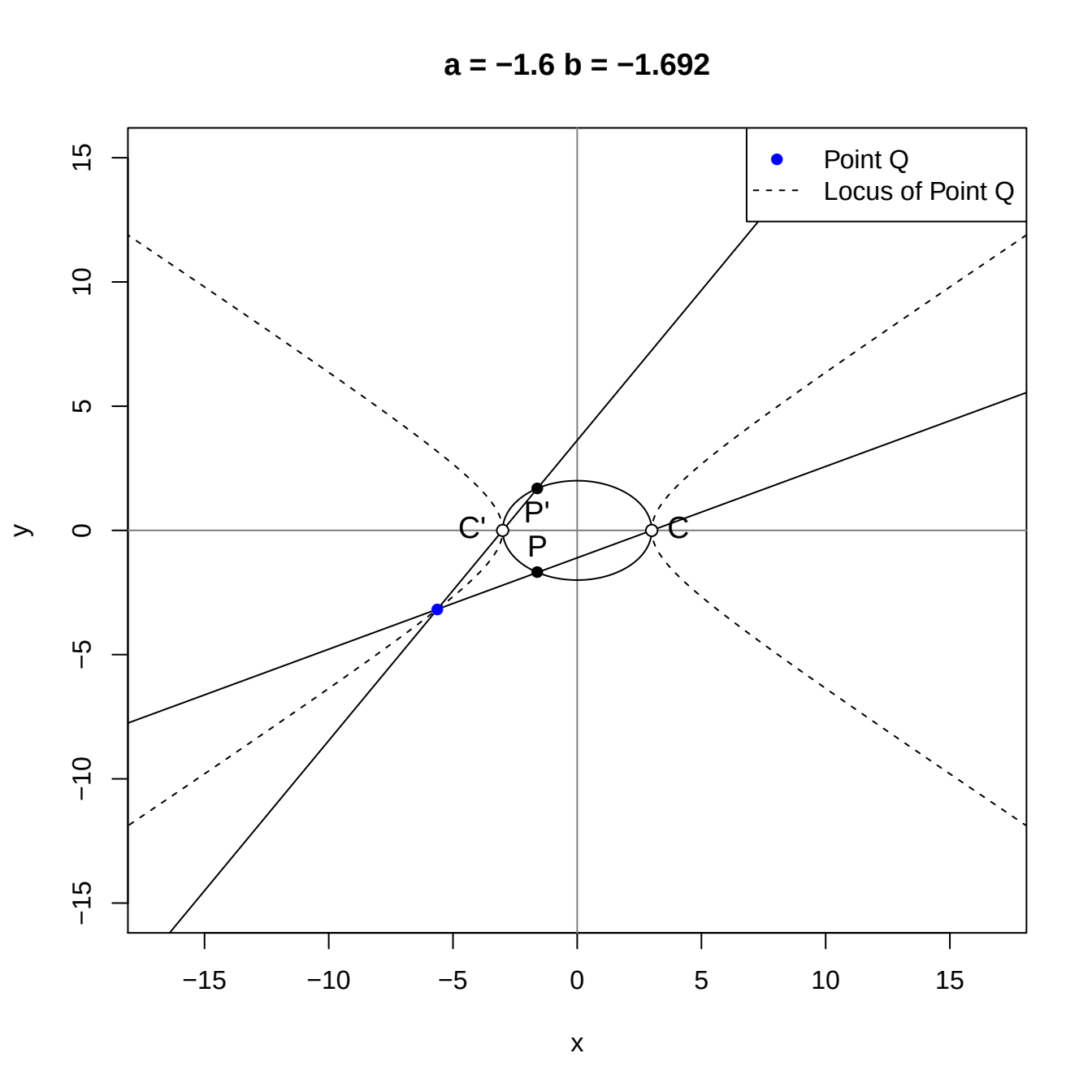

a = −1.35 b = −1.786
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

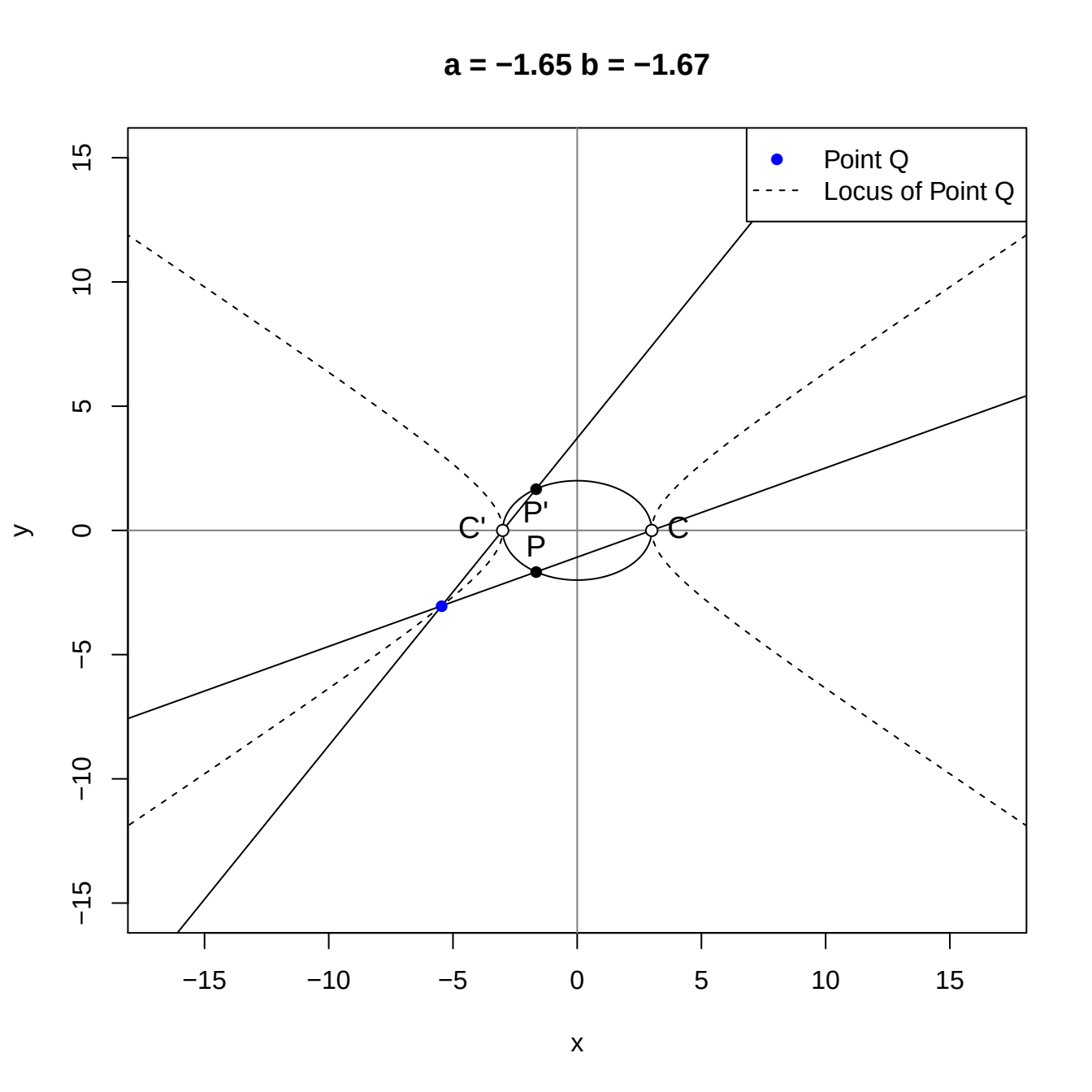

a = −1.4 b = −1.769
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

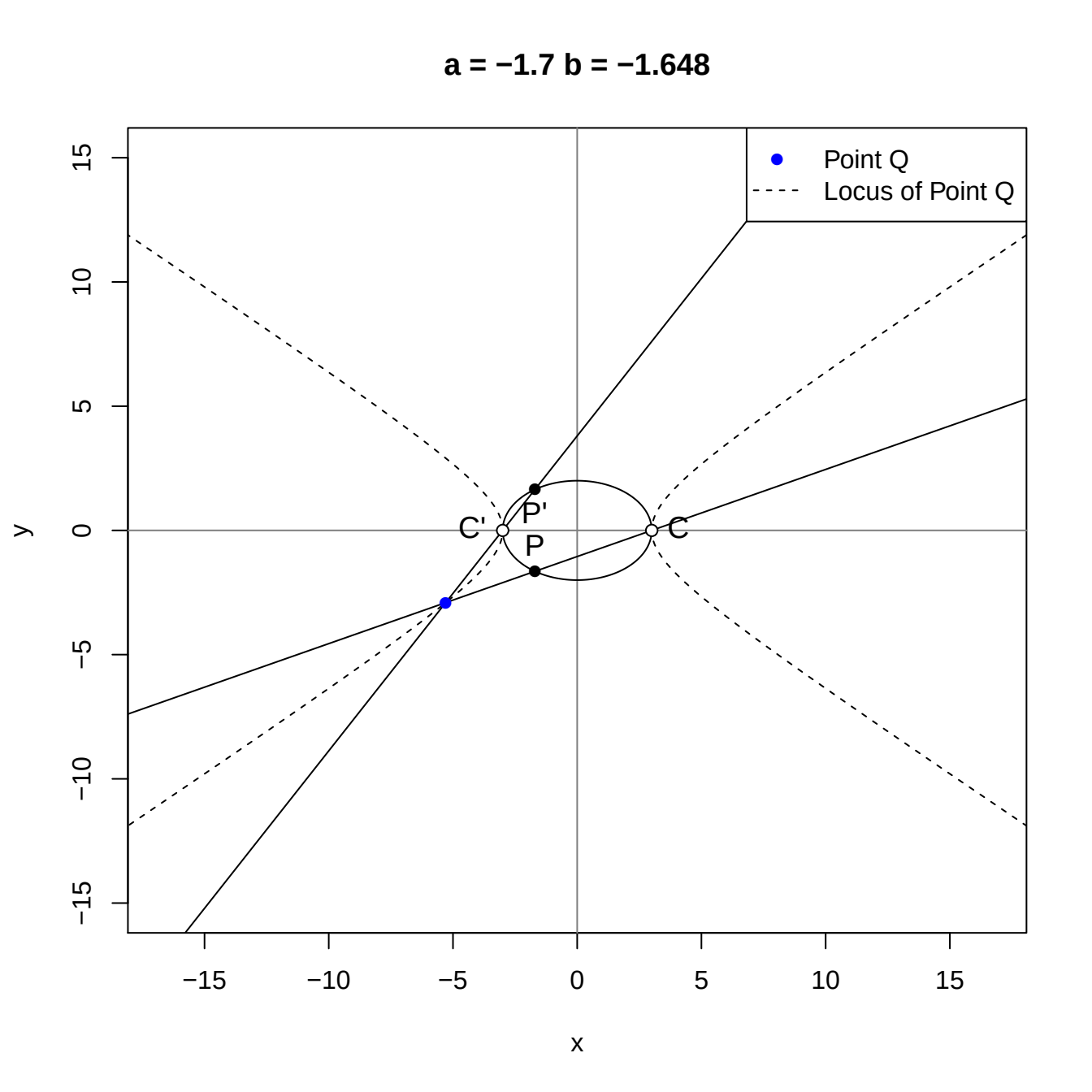

a = −1.45 b = −1.751
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

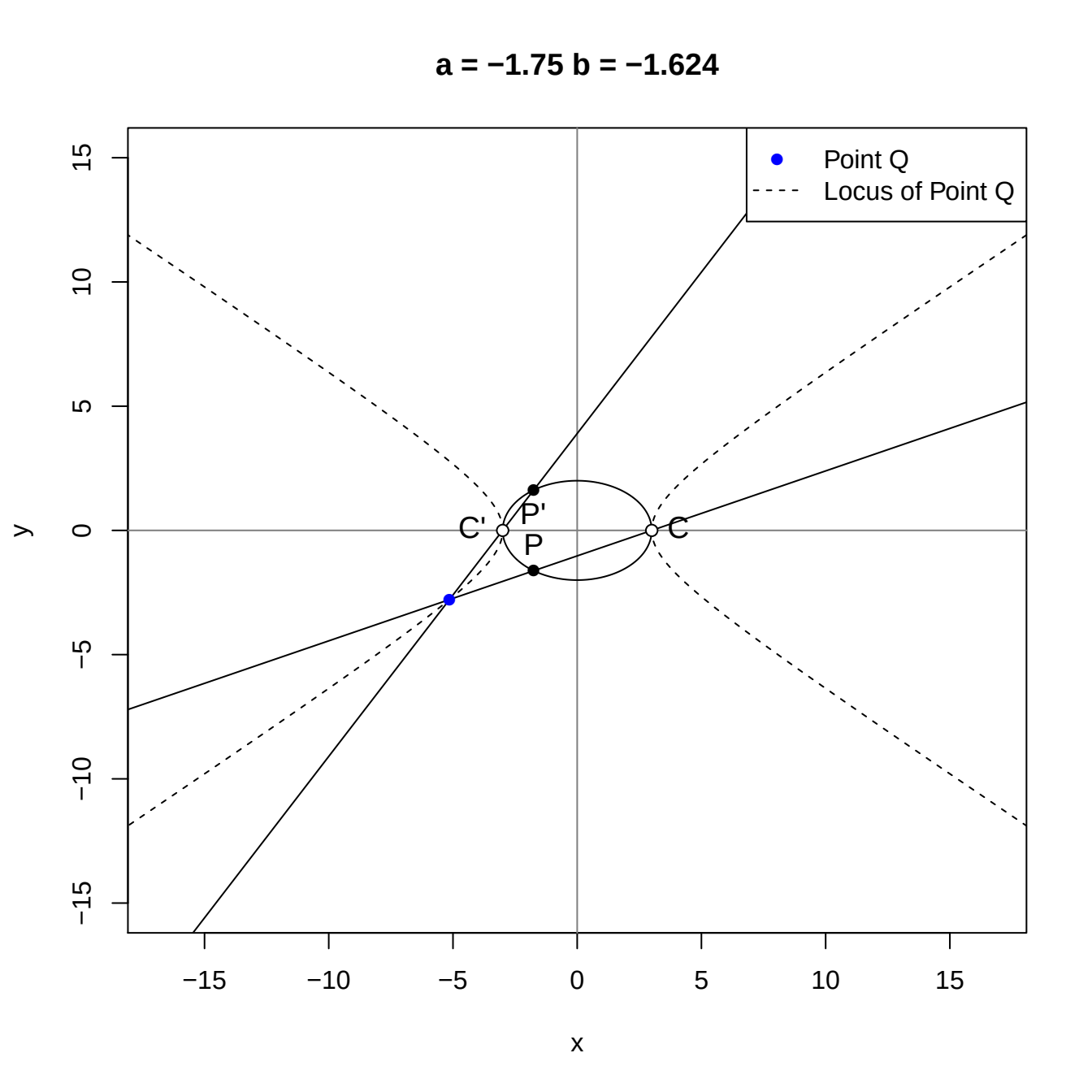

a = −1.5 b = −1.732
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

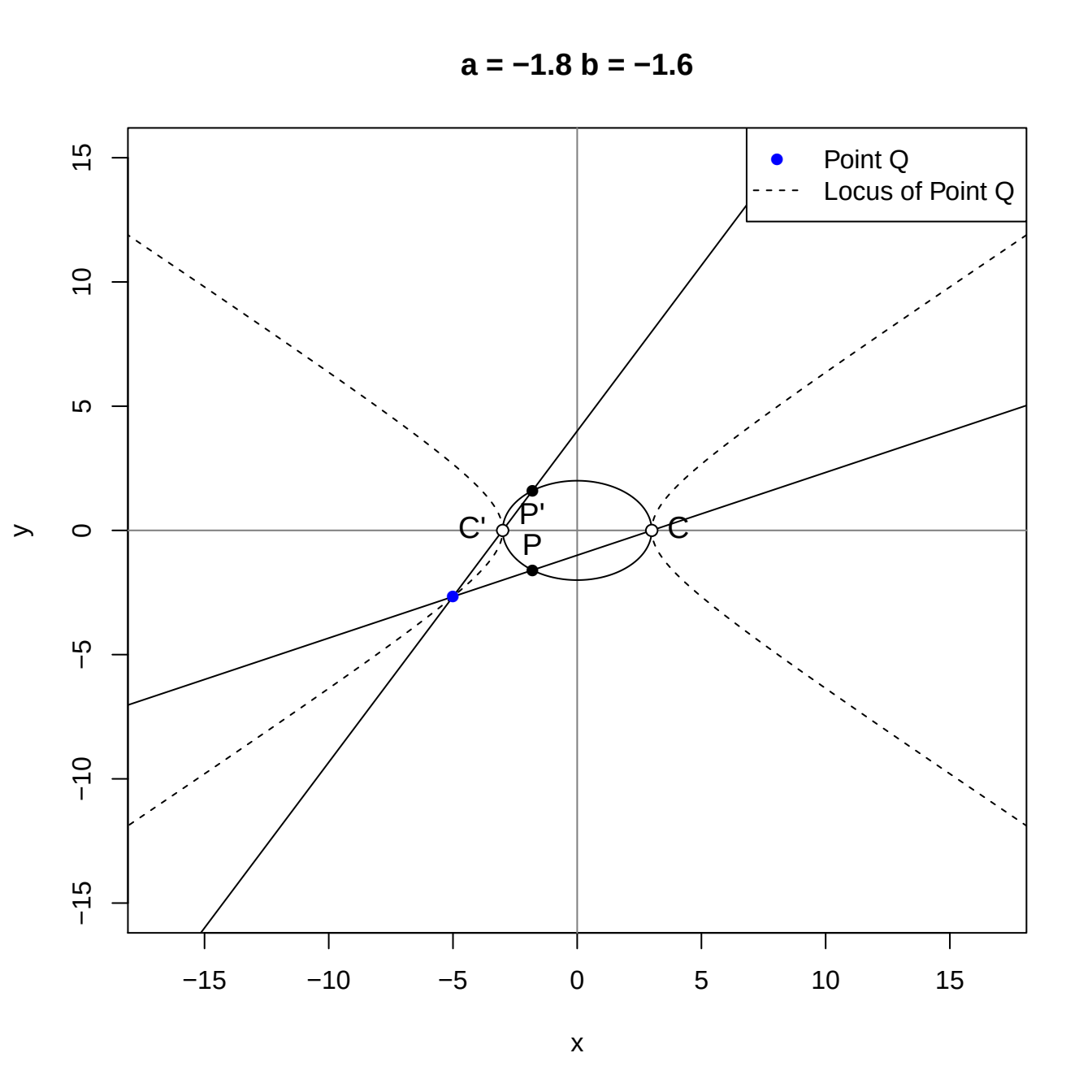

a = −1.55 b = −1.712
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

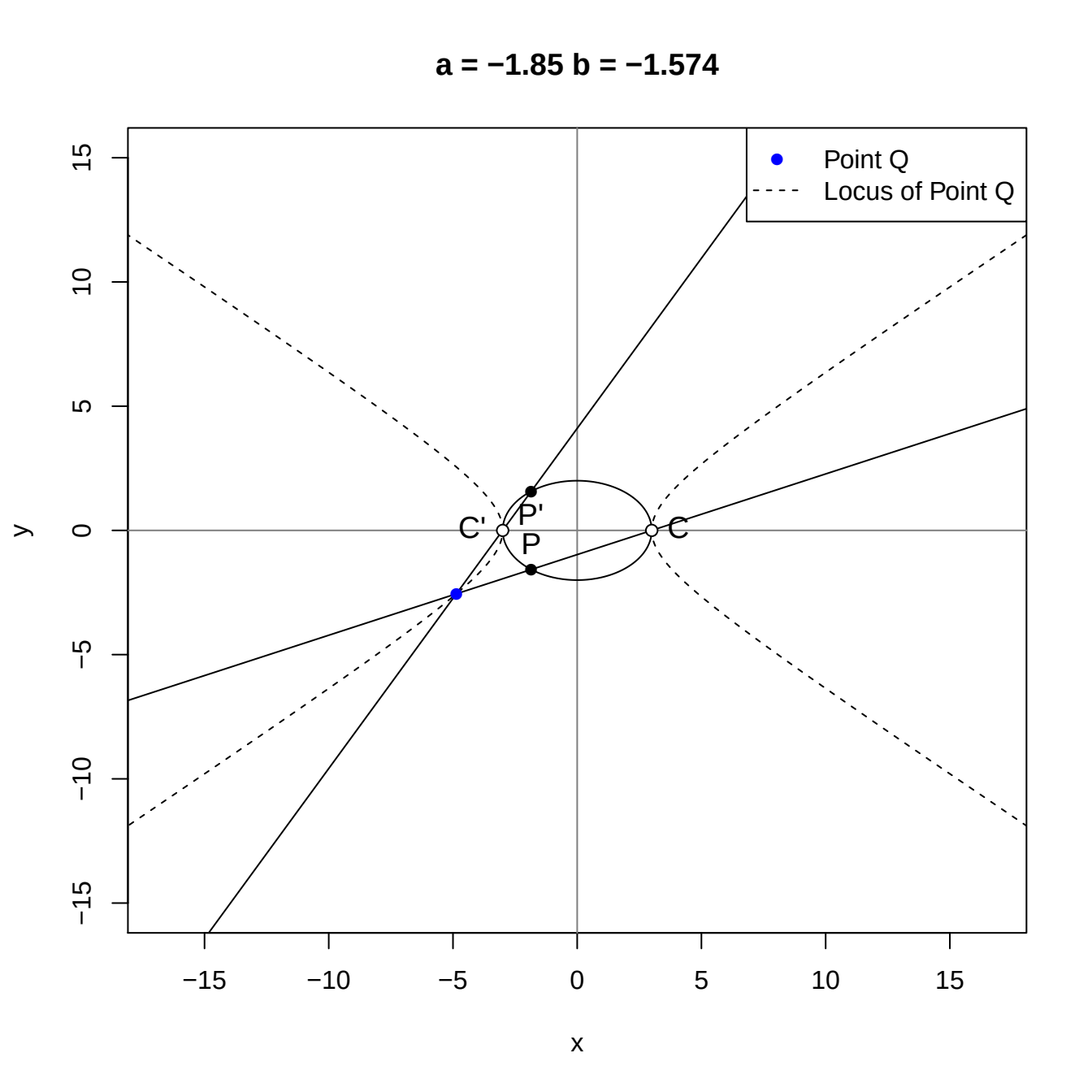

a = −1.6 b = −1.692
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

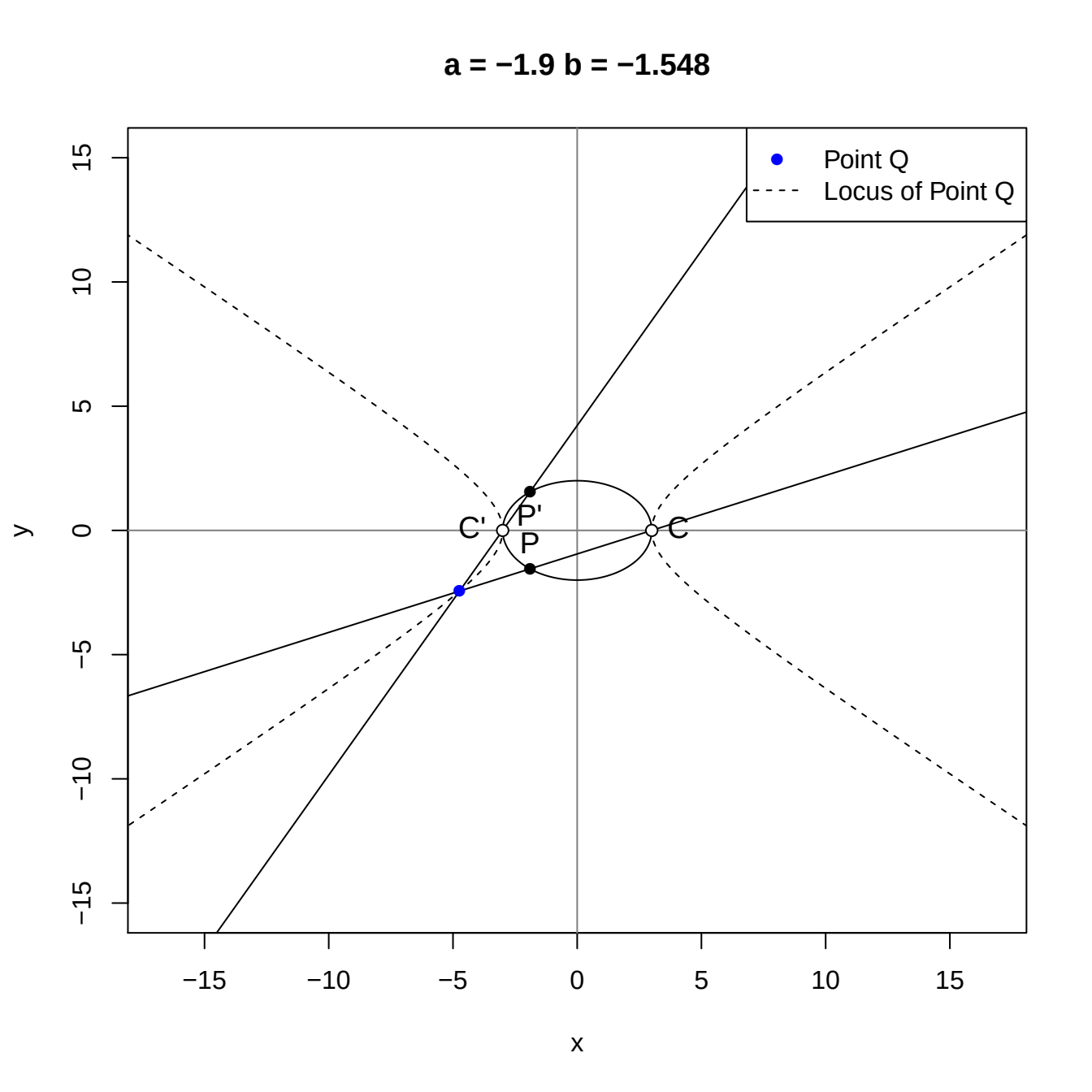

a = −1.65 b = −1.67
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

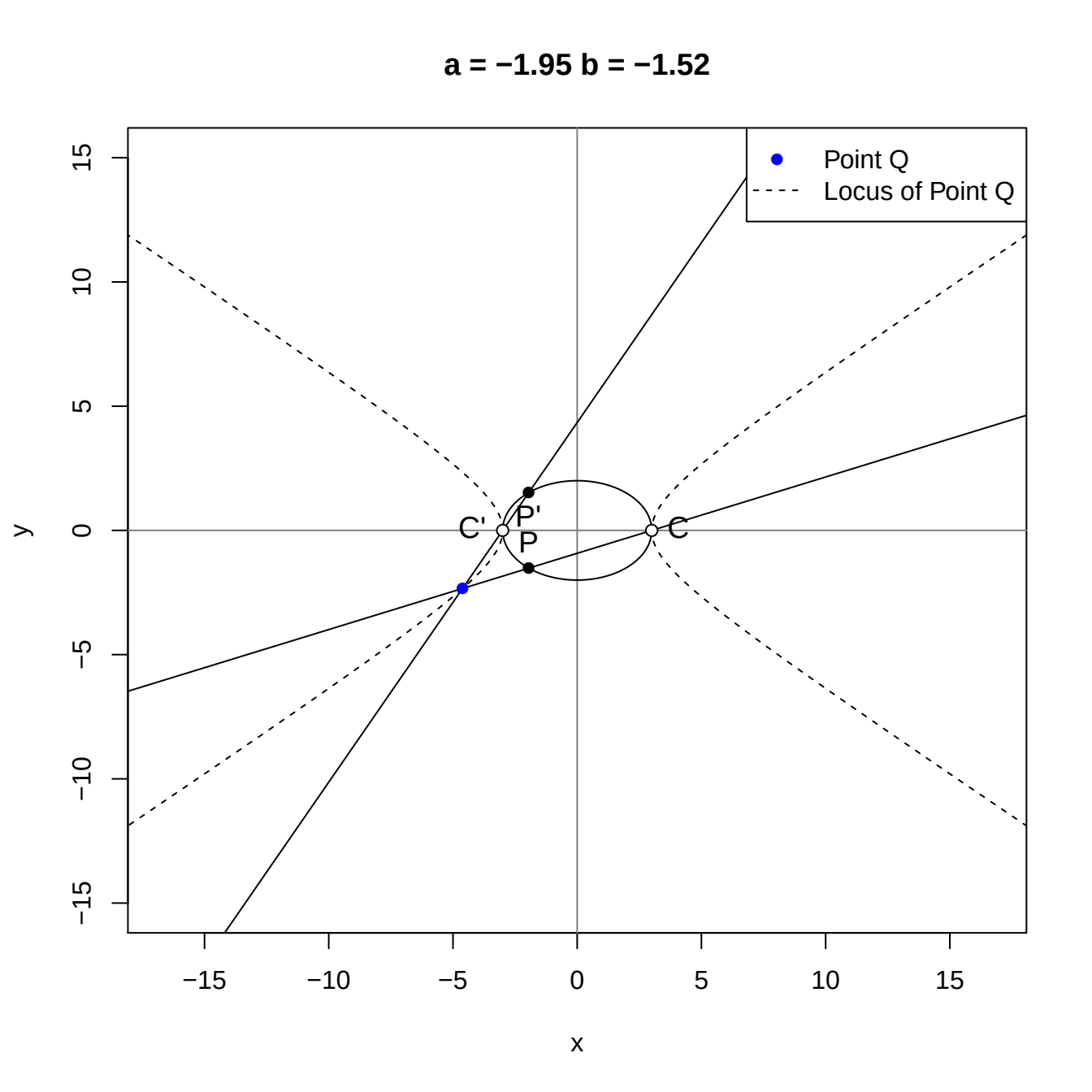

a = −1.7 b = −1.648
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

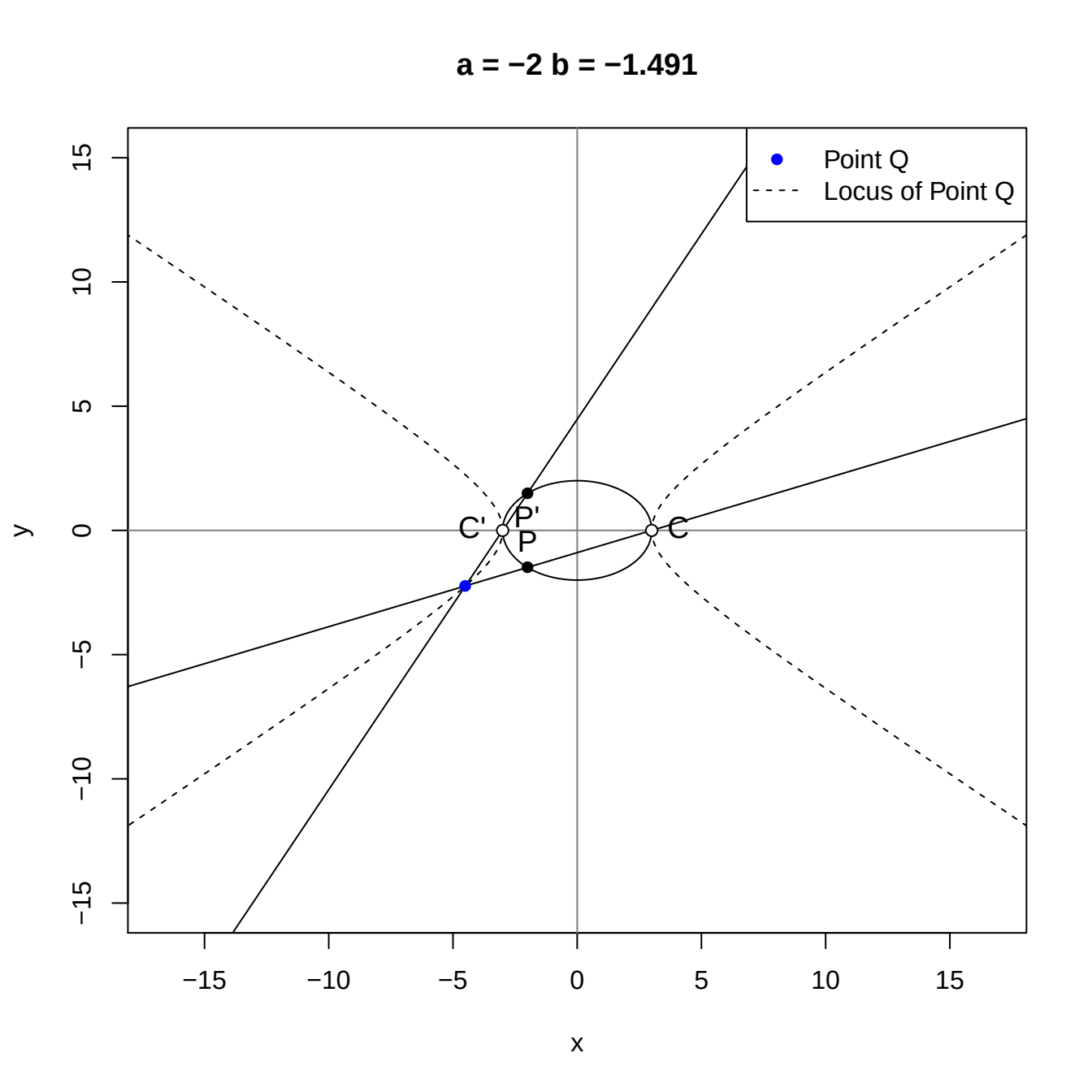

a = −1.75 b = −1.624
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

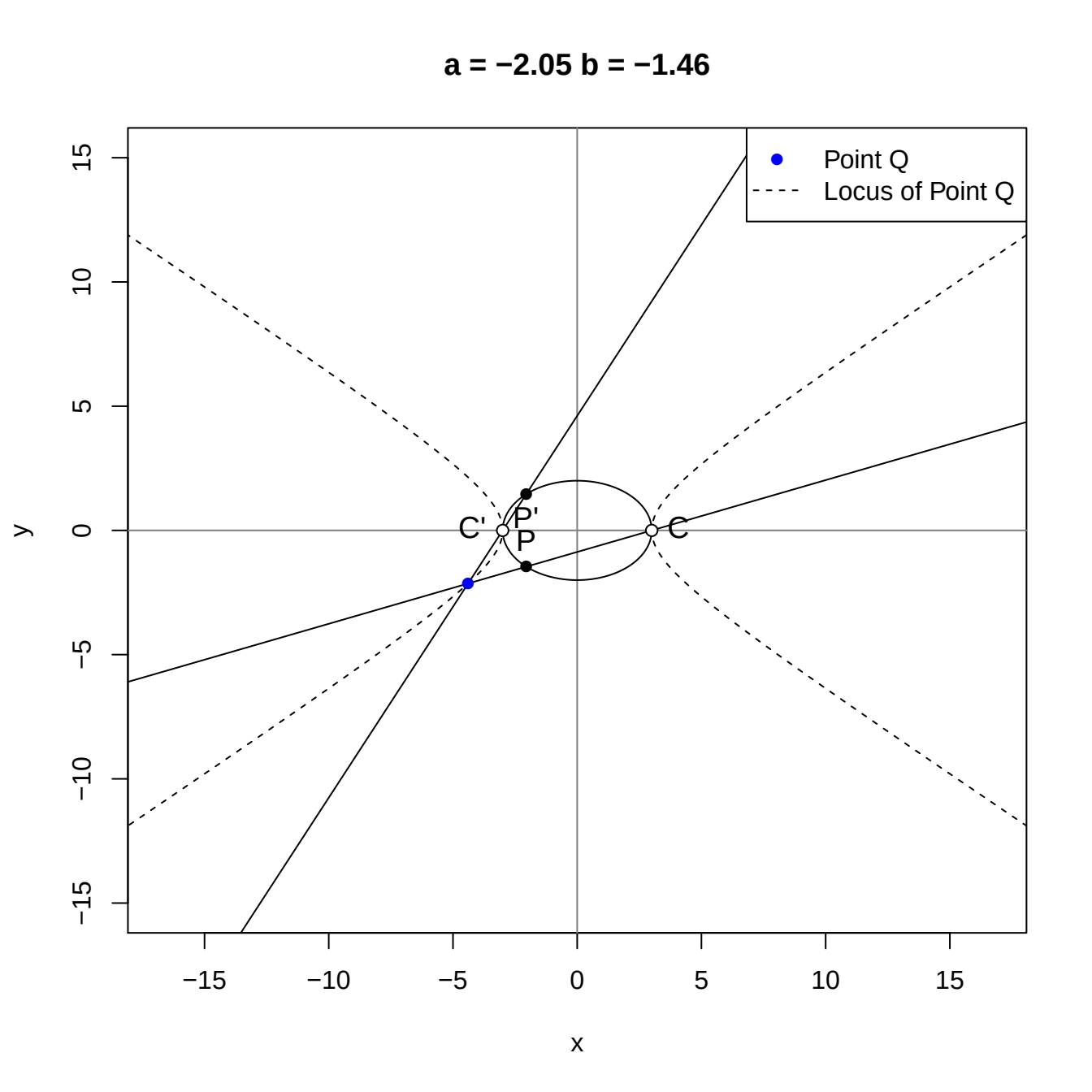

a = −1.8 b = −1.6
Point Q
Locus of Point Q
C'
C
P'
P
x
y
−15
−10
−5
0
5
10
15

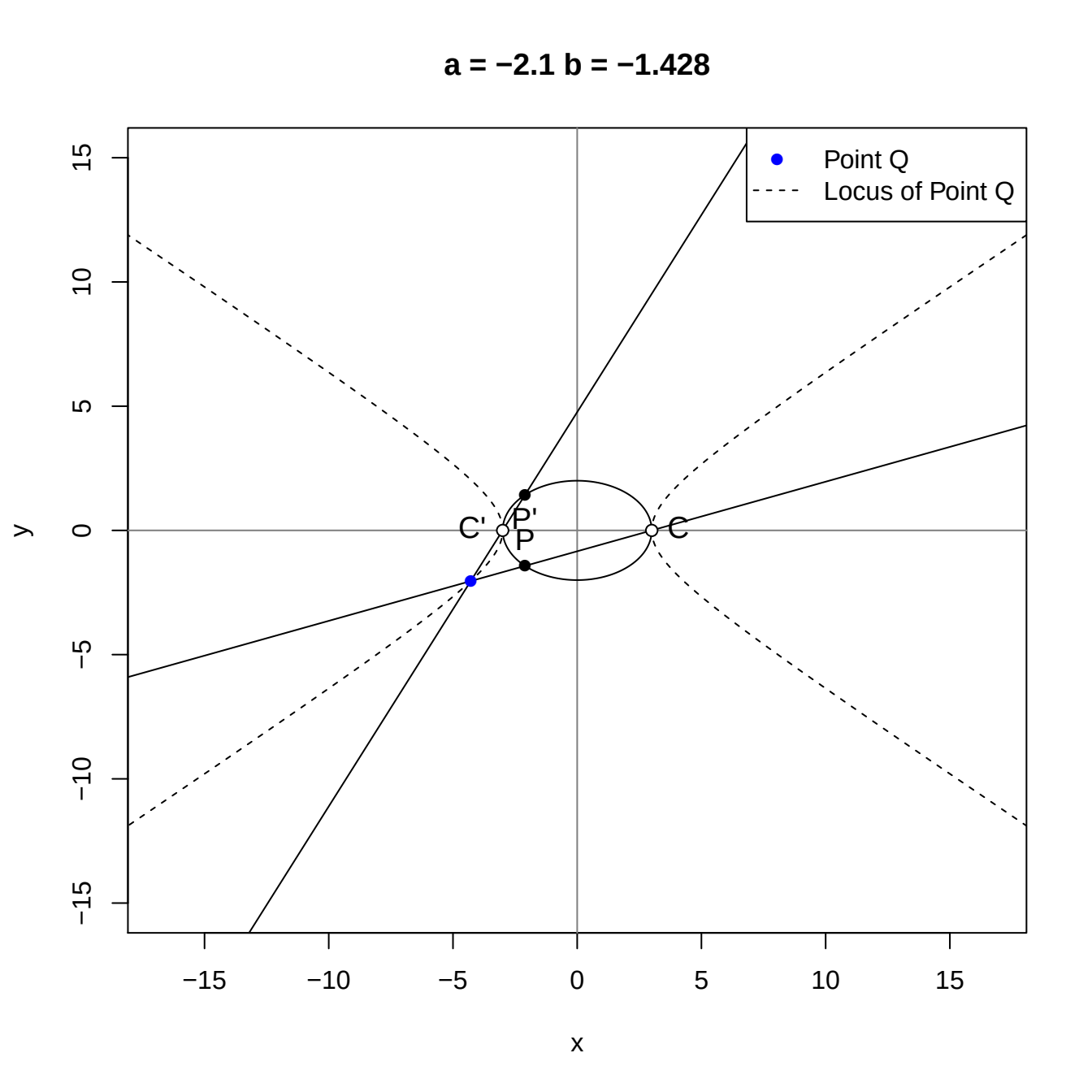

a = −1.85 b = −1.574
Point Q
Locus of Point Q
C'
P'
P
C
x
y
−15
−10
−5
0
5
10
15

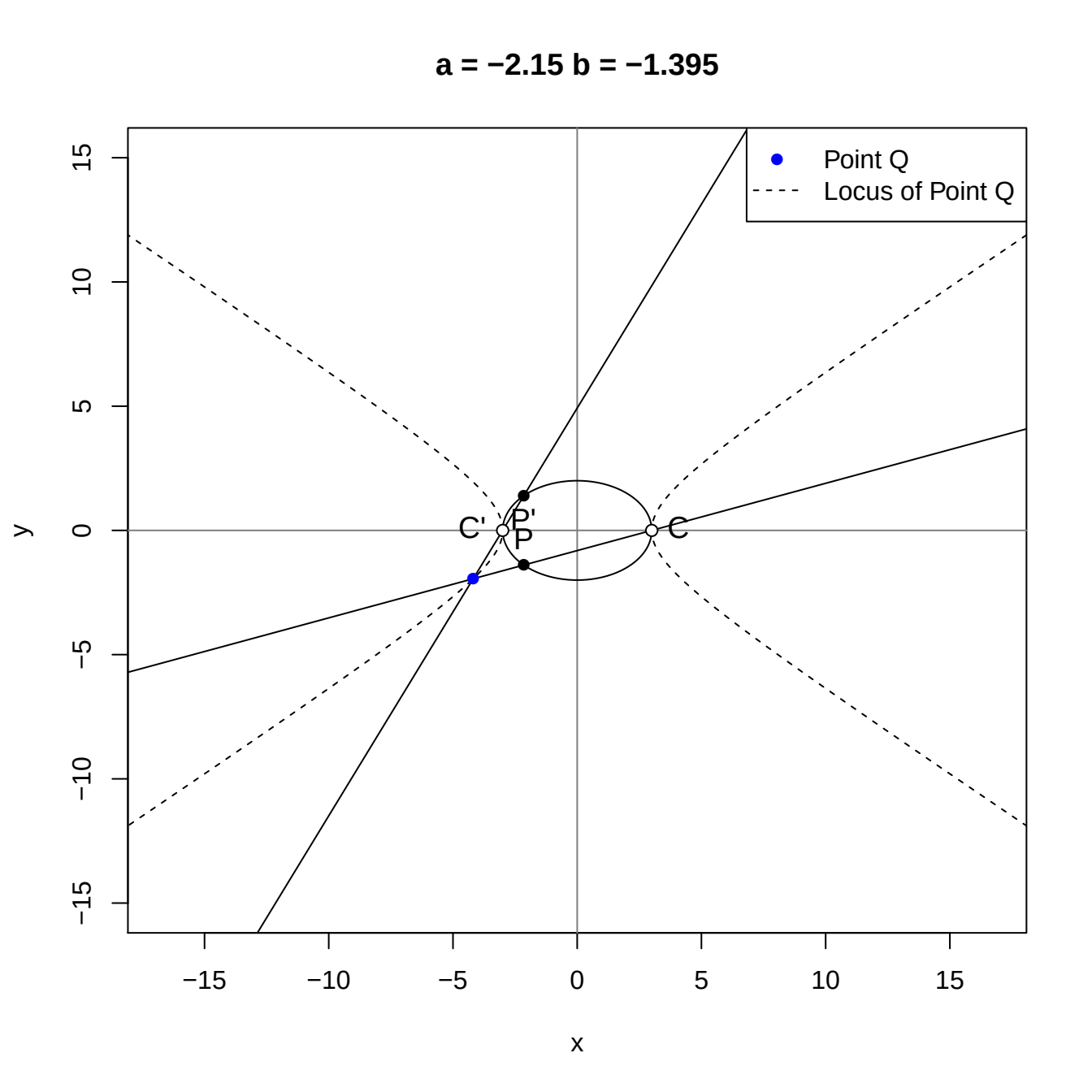

a = −1.9 b = −1.548
Point Q
Locus of Point Q
C'
P'
P
C
x
y
−15
−10
−5
0
5
10
15

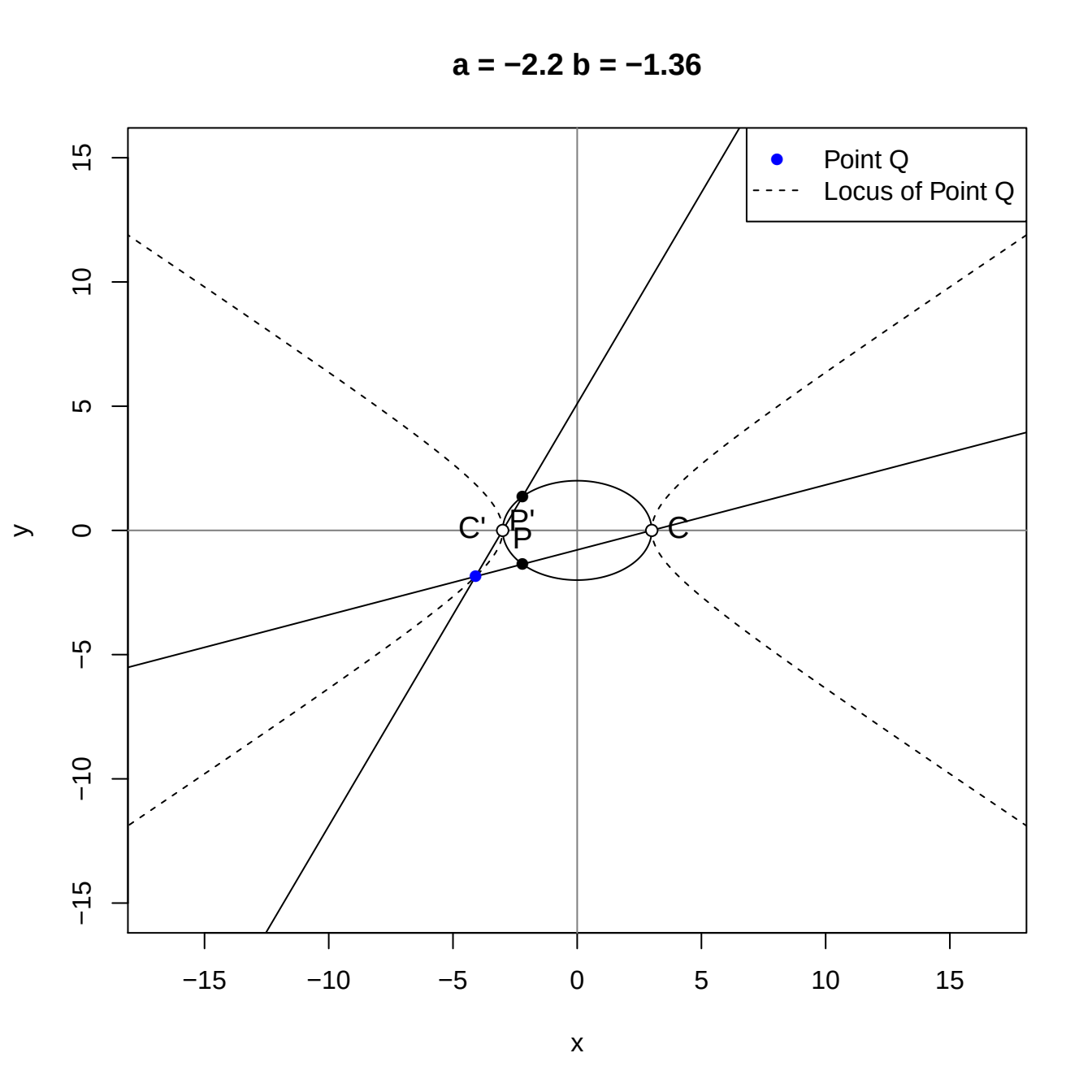

a = −1.95 b = −1.52
Point Q
Locus of Point Q
C'
P'
P
C
x
y
−15
−10
−5
0
5
10
15

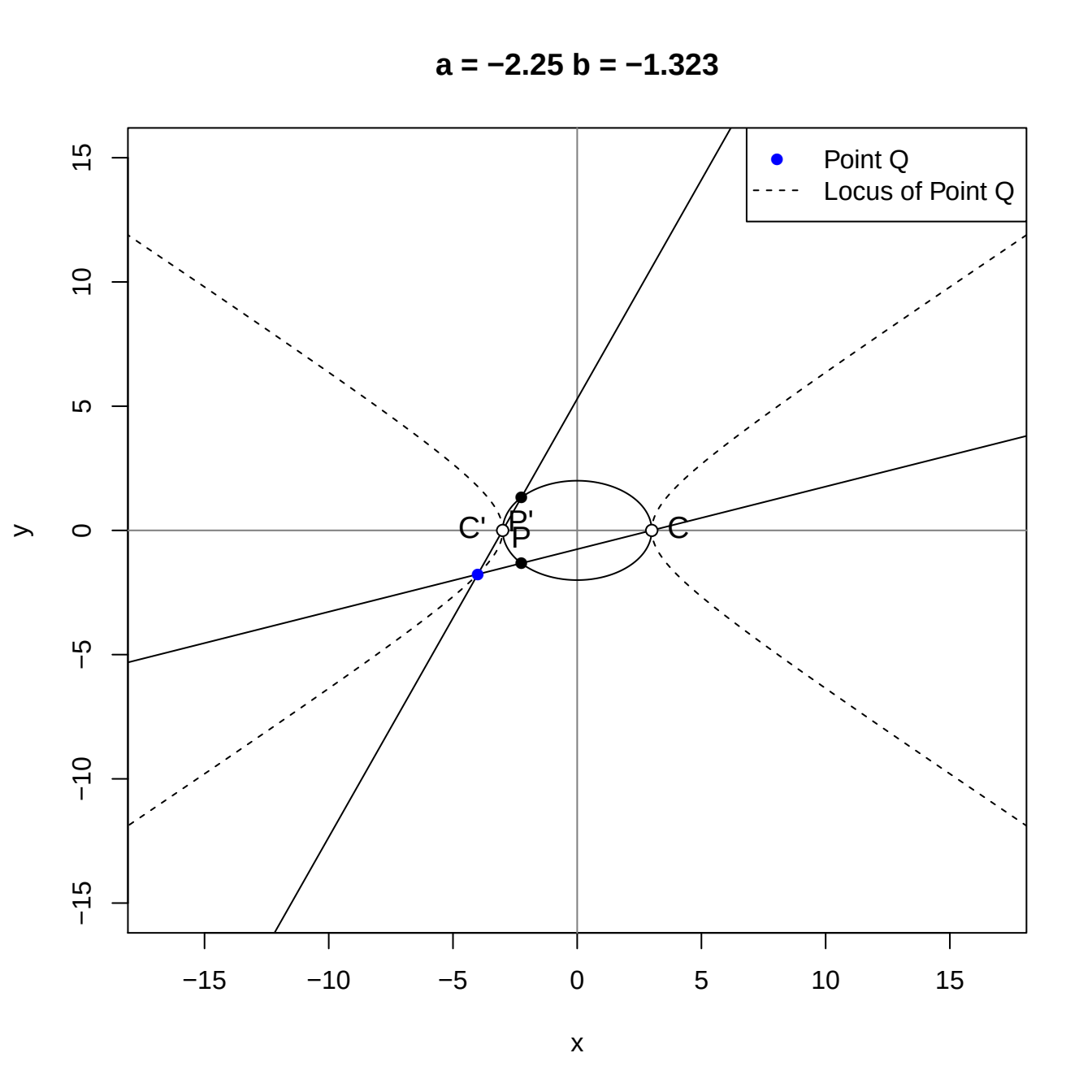

a = −2 b = −1.491
Point Q
Locus of Point Q
C'
P'
P
C
x
y
−15
−10
−5
0
5
10
15

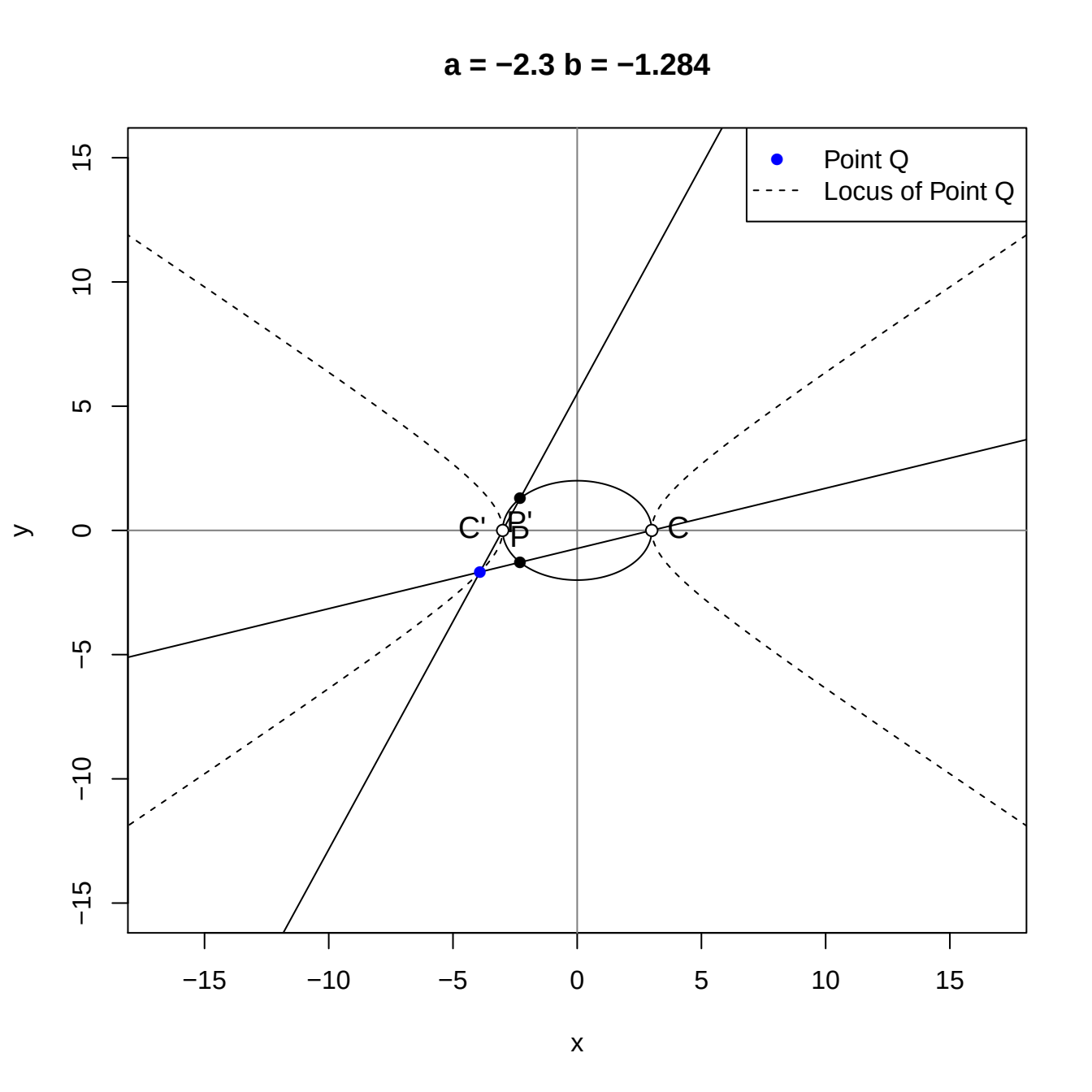

a = −2.05 b = −1.46
Point Q
Locus of Point Q
C'
P'
P
C
x
y
−15
−10
−5
0
5
10
15

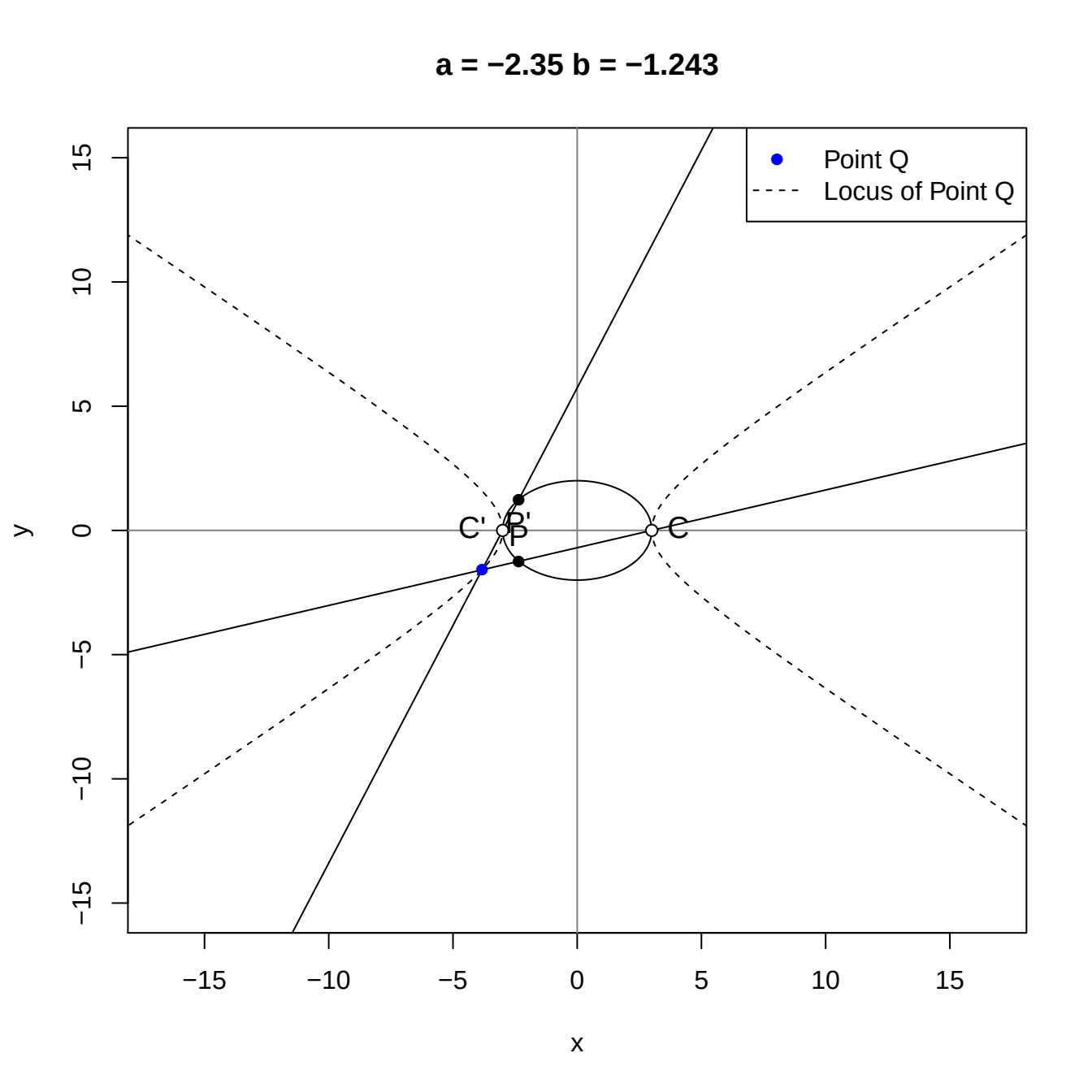

a = −2.1 b = −1.428
Point Q
Locus of Point Q
C'
P'
P
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

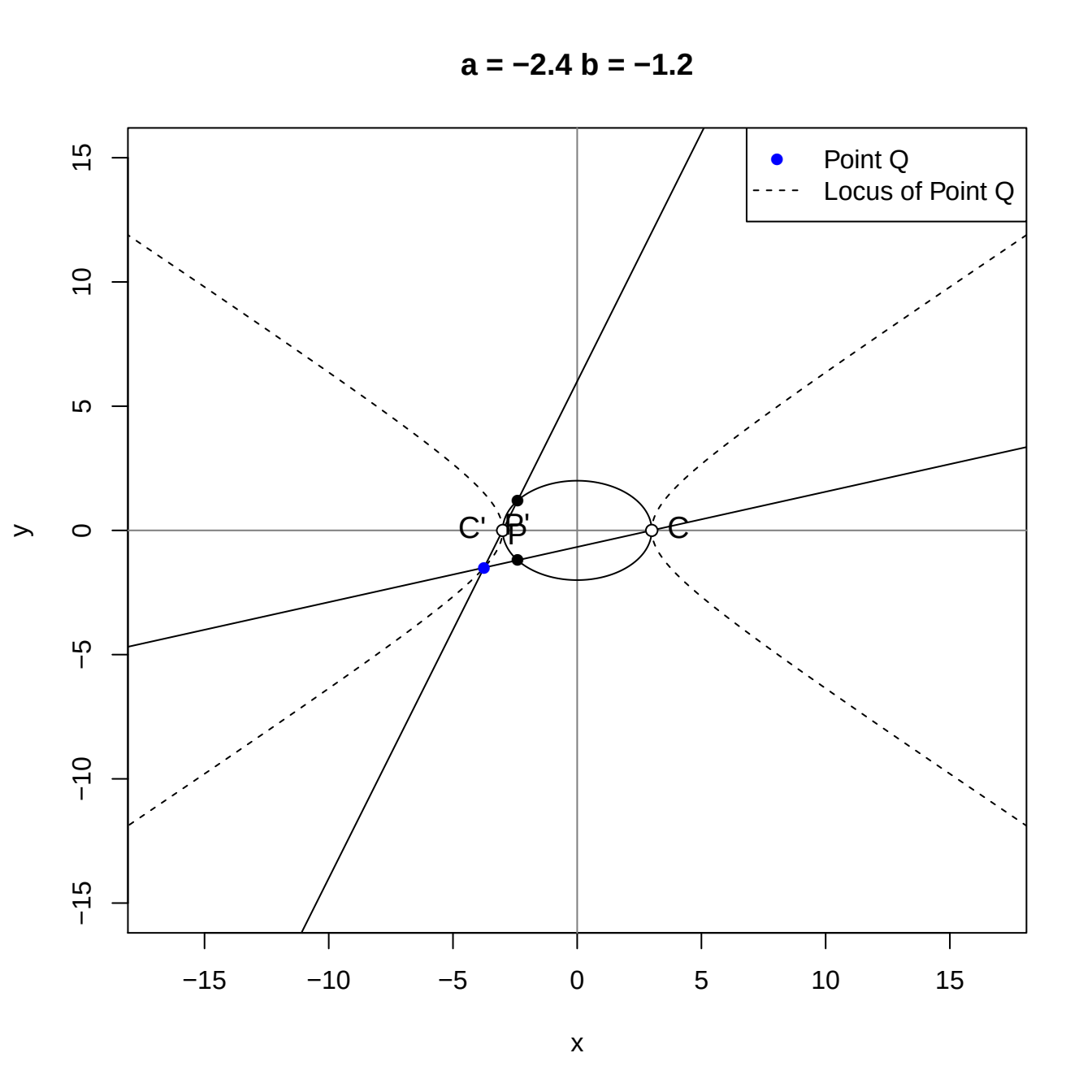

a = −2.15 b = −1.395
Point Q
Locus of Point Q
C'
P'
P
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

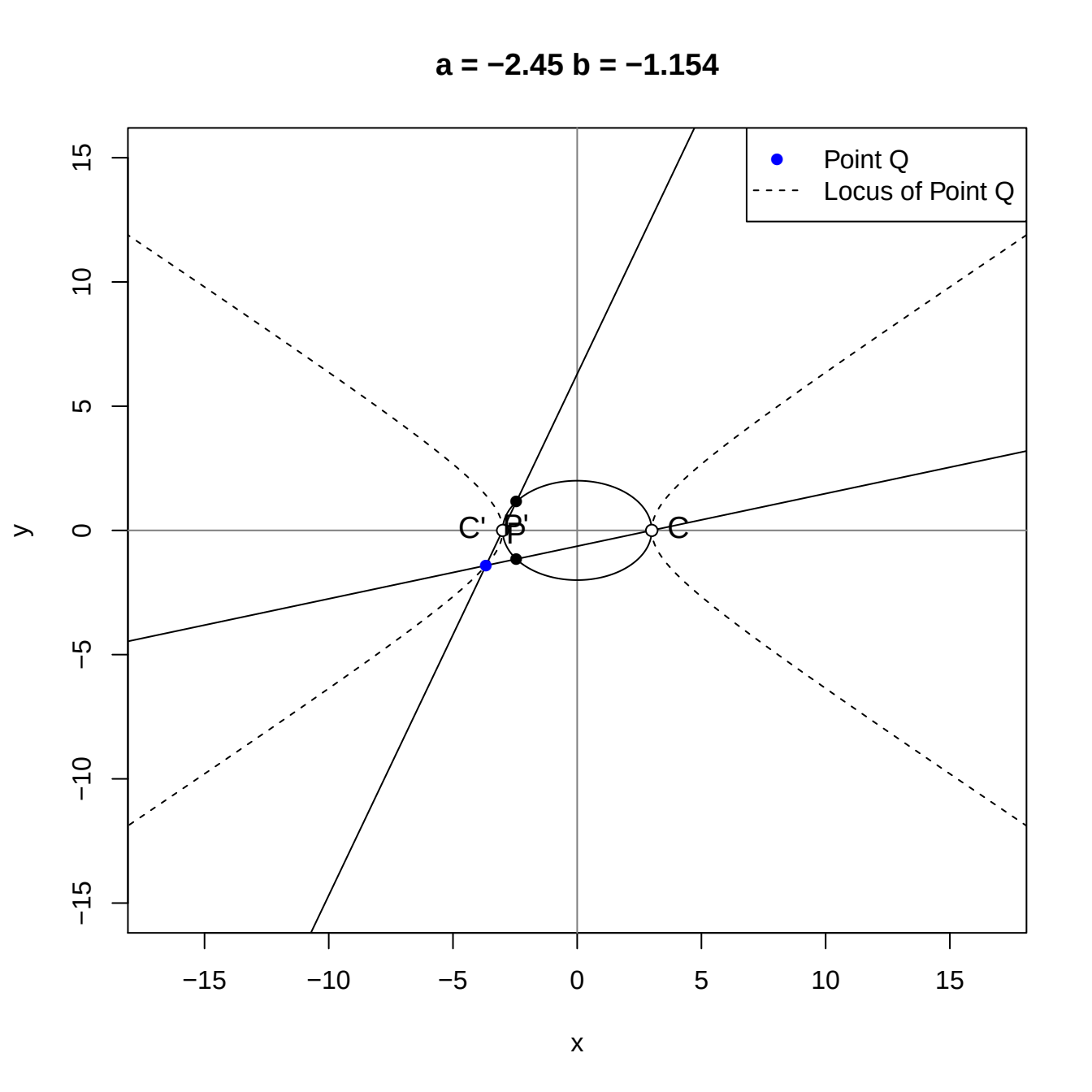

a = −2.2 b = −1.36
Point Q
Locus of Point Q
C'
P'
P
C
x
y
−15
−10
−5
0
5
10
15

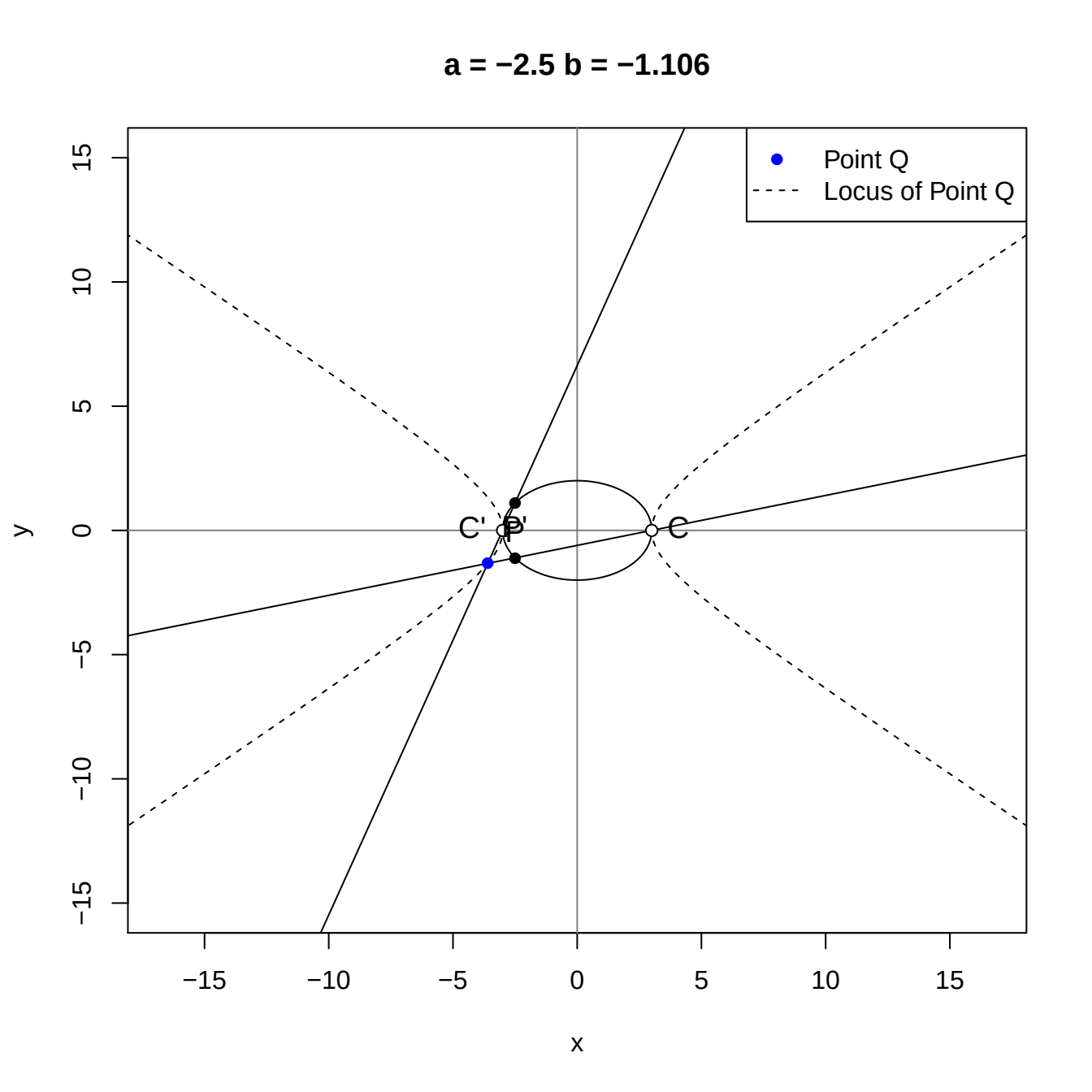

a = −2.25 b = −1.323
Point Q
Locus of Point Q
C'
P'
P
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

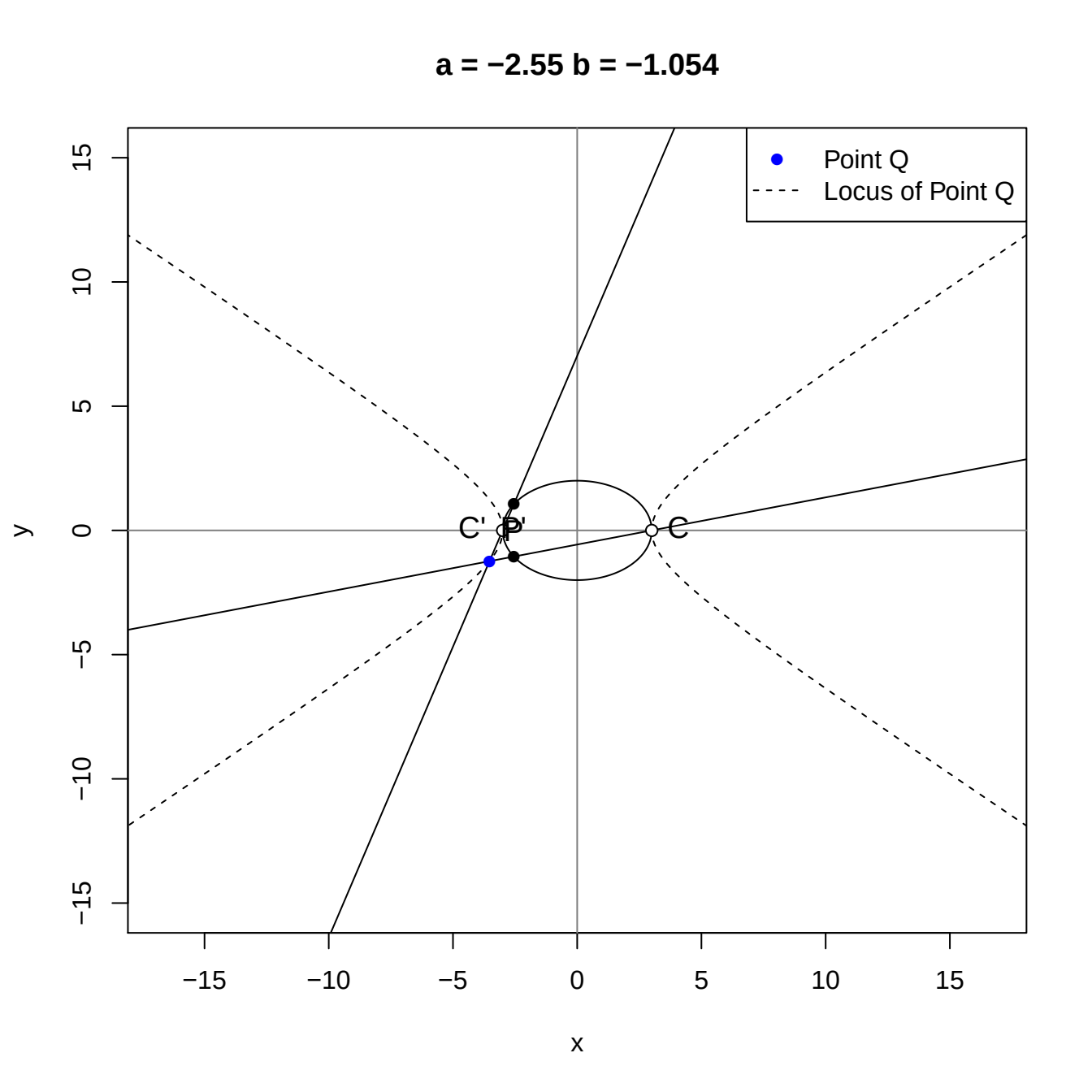

a = −2.3 b = −1.284
Point Q
Locus of Point Q
C'
P'
P
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

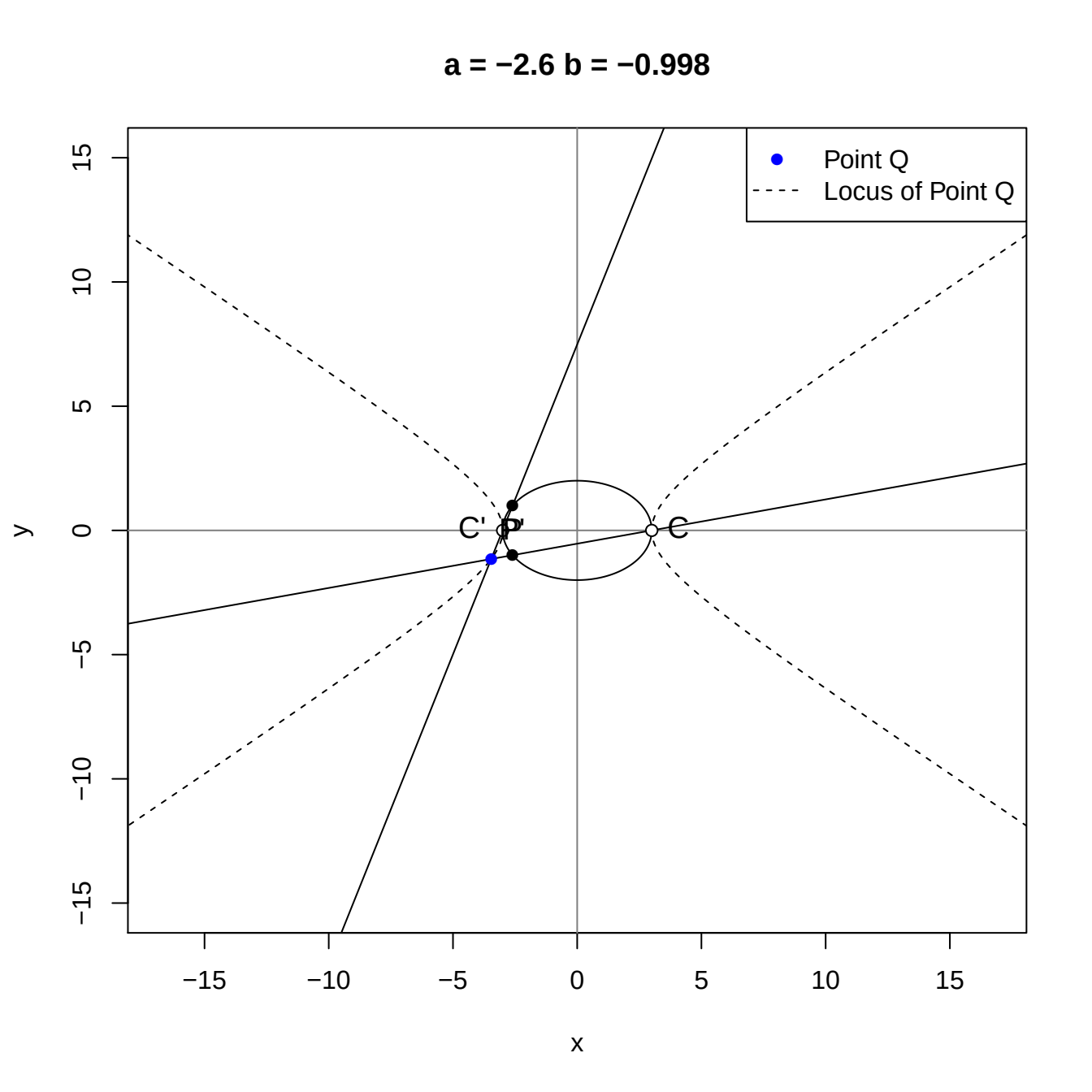

a = −2.35 b = −1.243
Point Q
Locus of Point Q
C'
P'
P
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

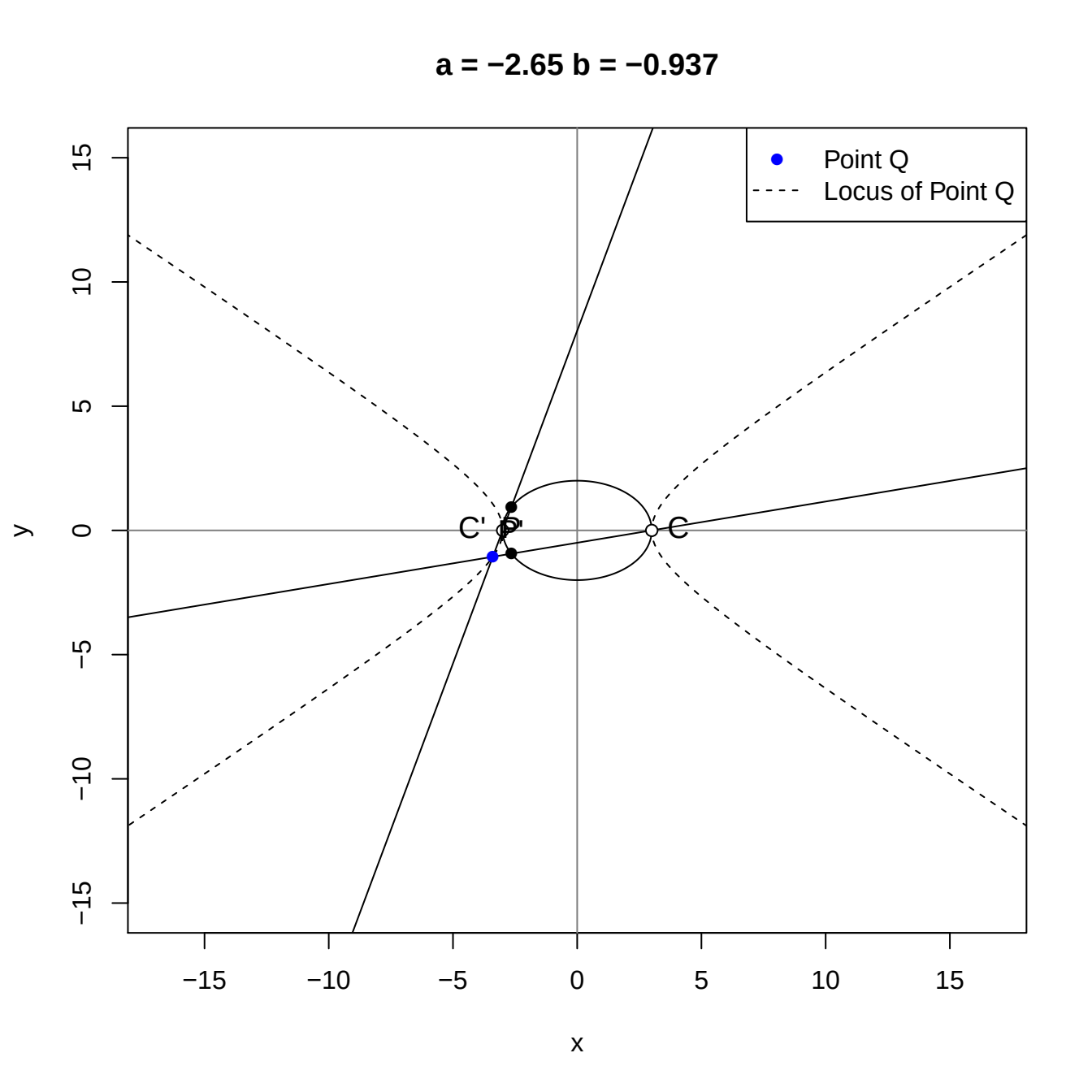

a = −2.4 b = −1.2
Point Q
Locus of Point Q
C'
P'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

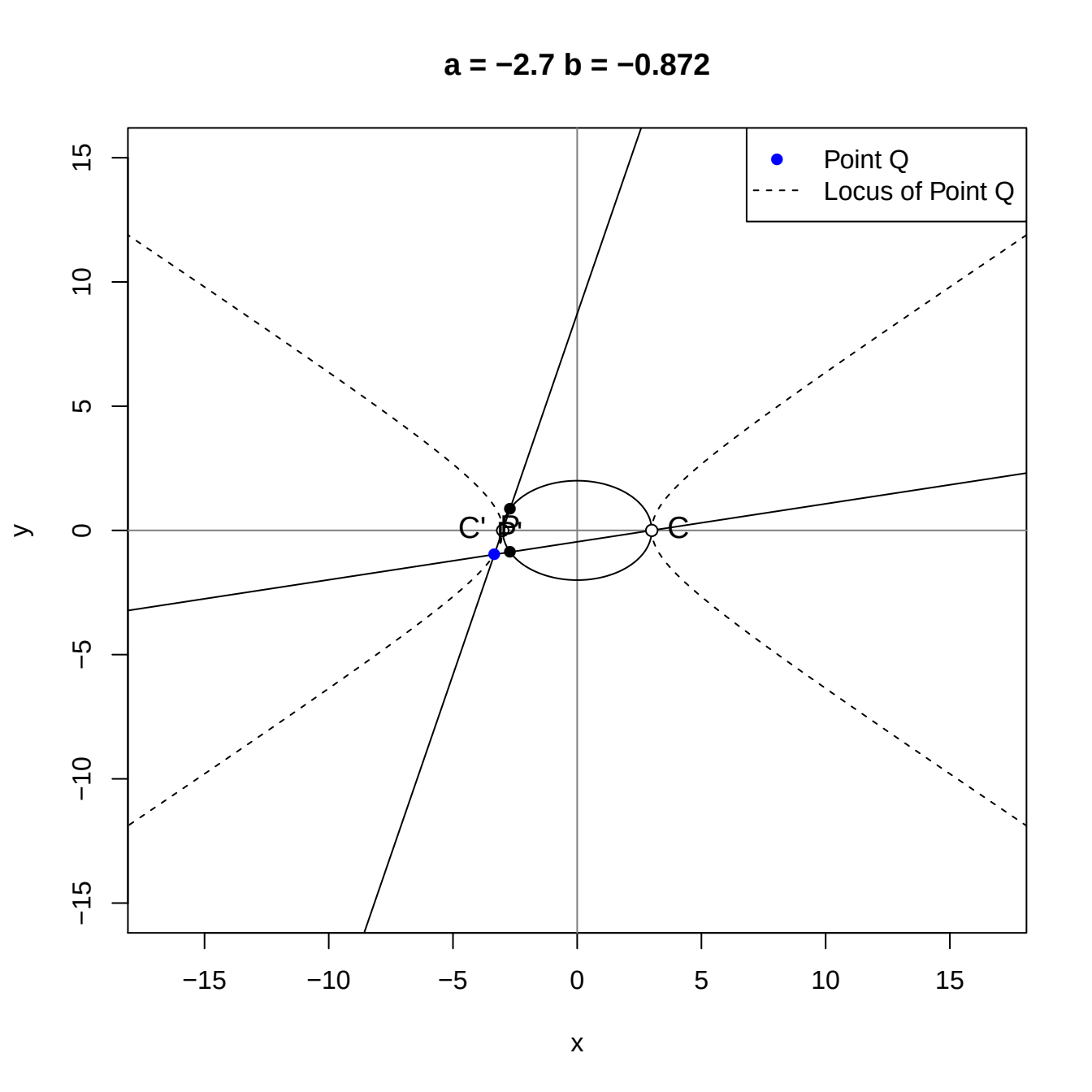

a = −2.45 b = −1.154
Point Q
Locus of Point Q
C'
P'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

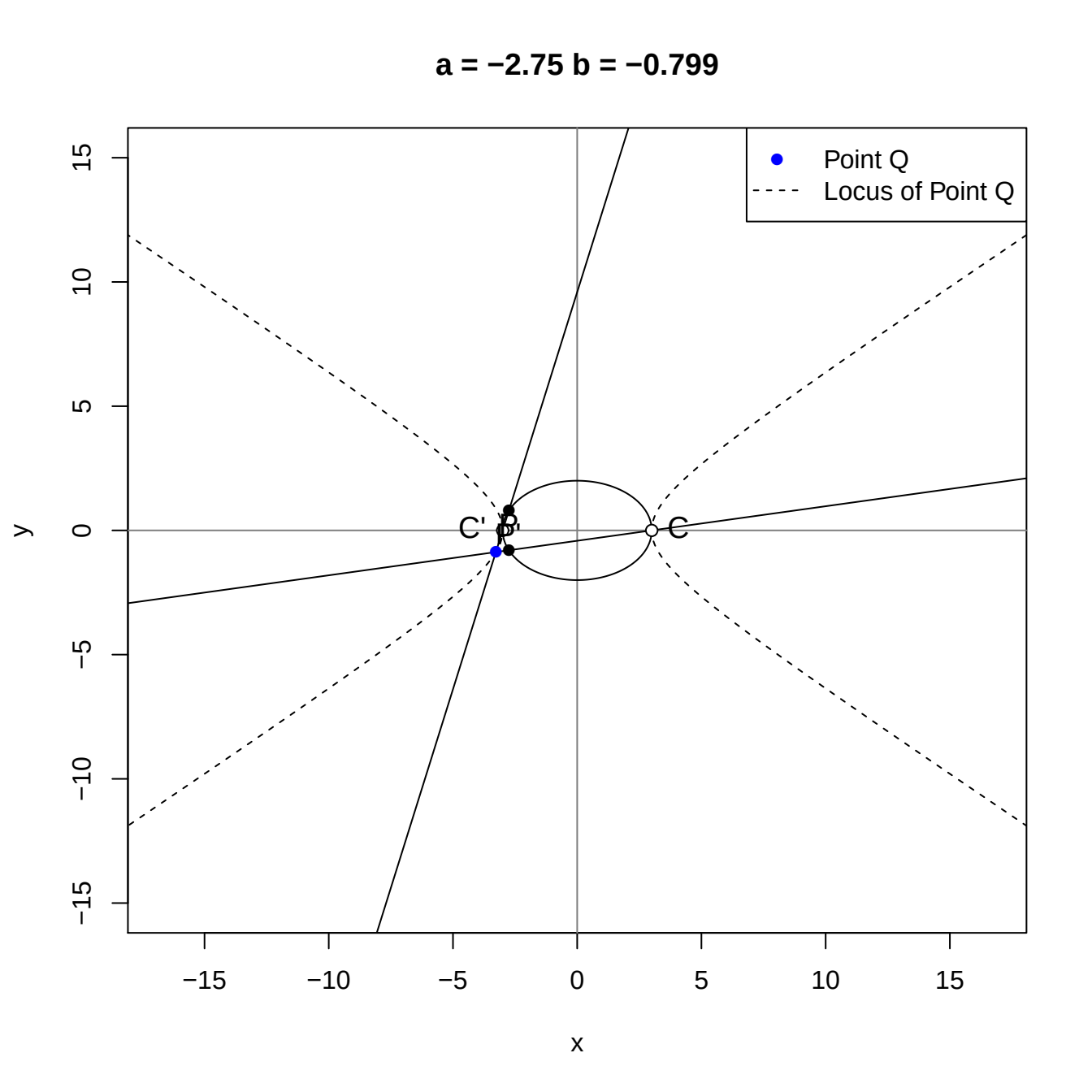

a = −2.5 b = −1.106
Point Q
Locus of Point Q
C'
P'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

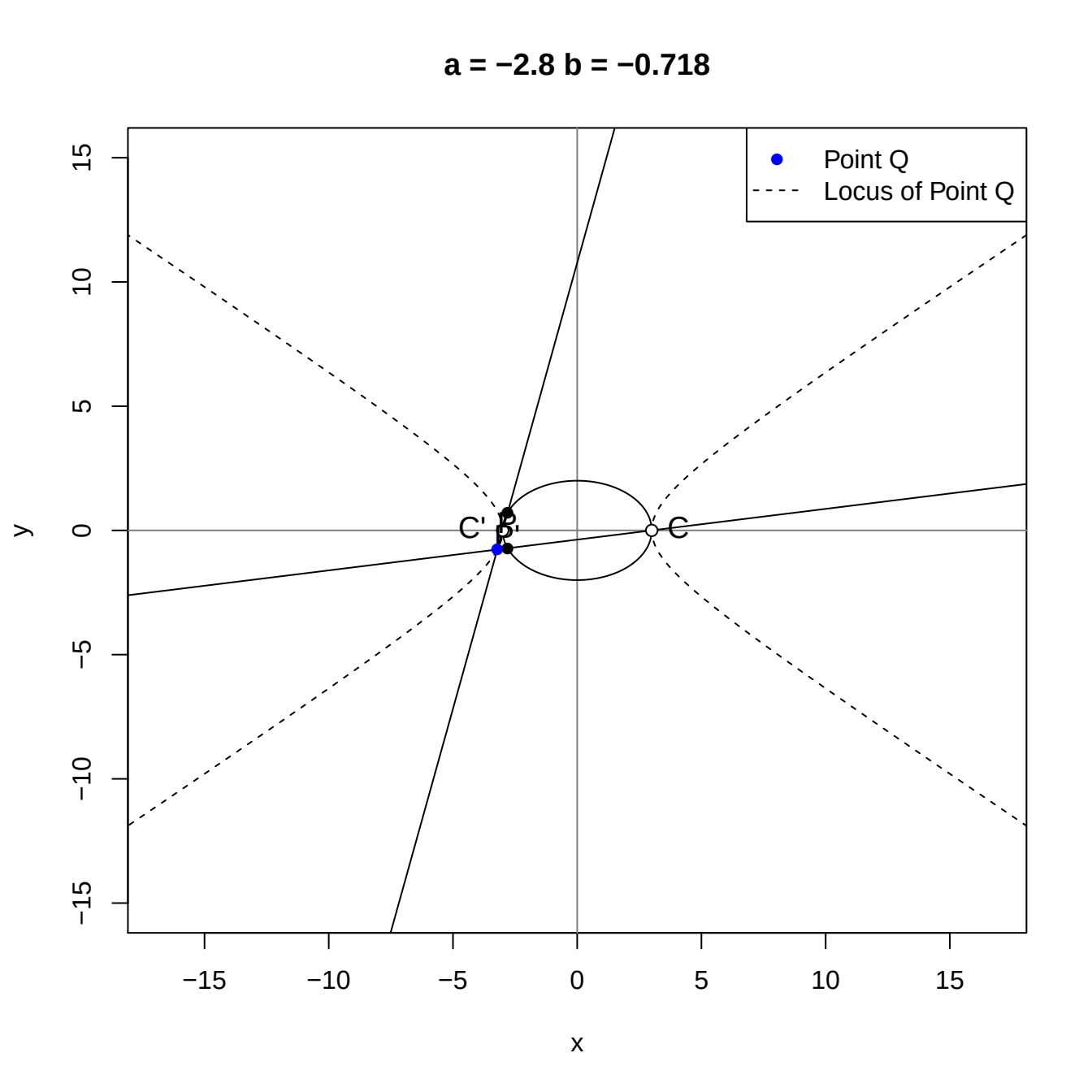

a = −2.55 b = −1.054
Point Q
Locus of Point Q
C'
P'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

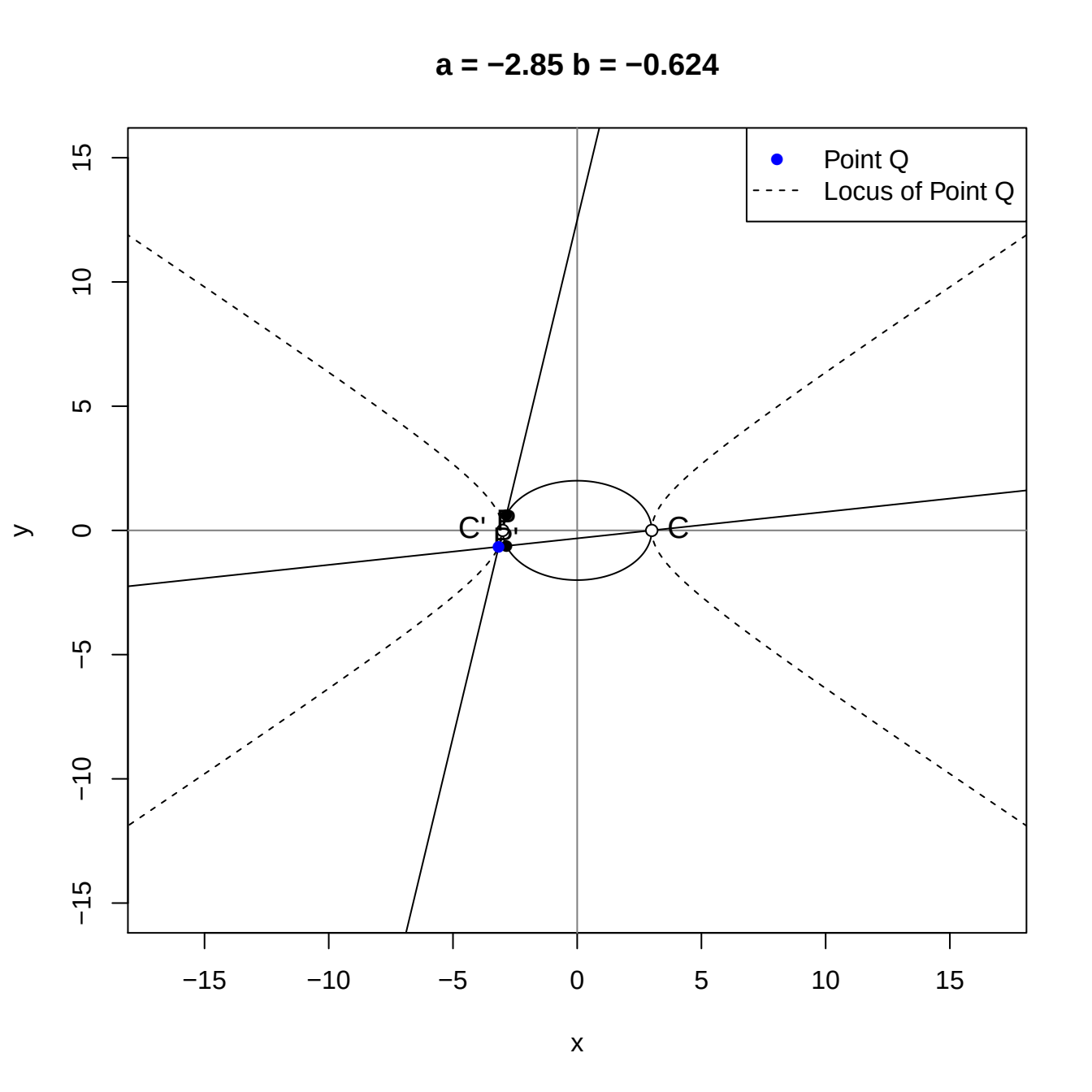

a = −2.6 b = −0.998
Point Q
Locus of Point Q
C'
C
15
10
5
0
−5
−10
−15
y
−15
−10
−5
0
5
10
15
x

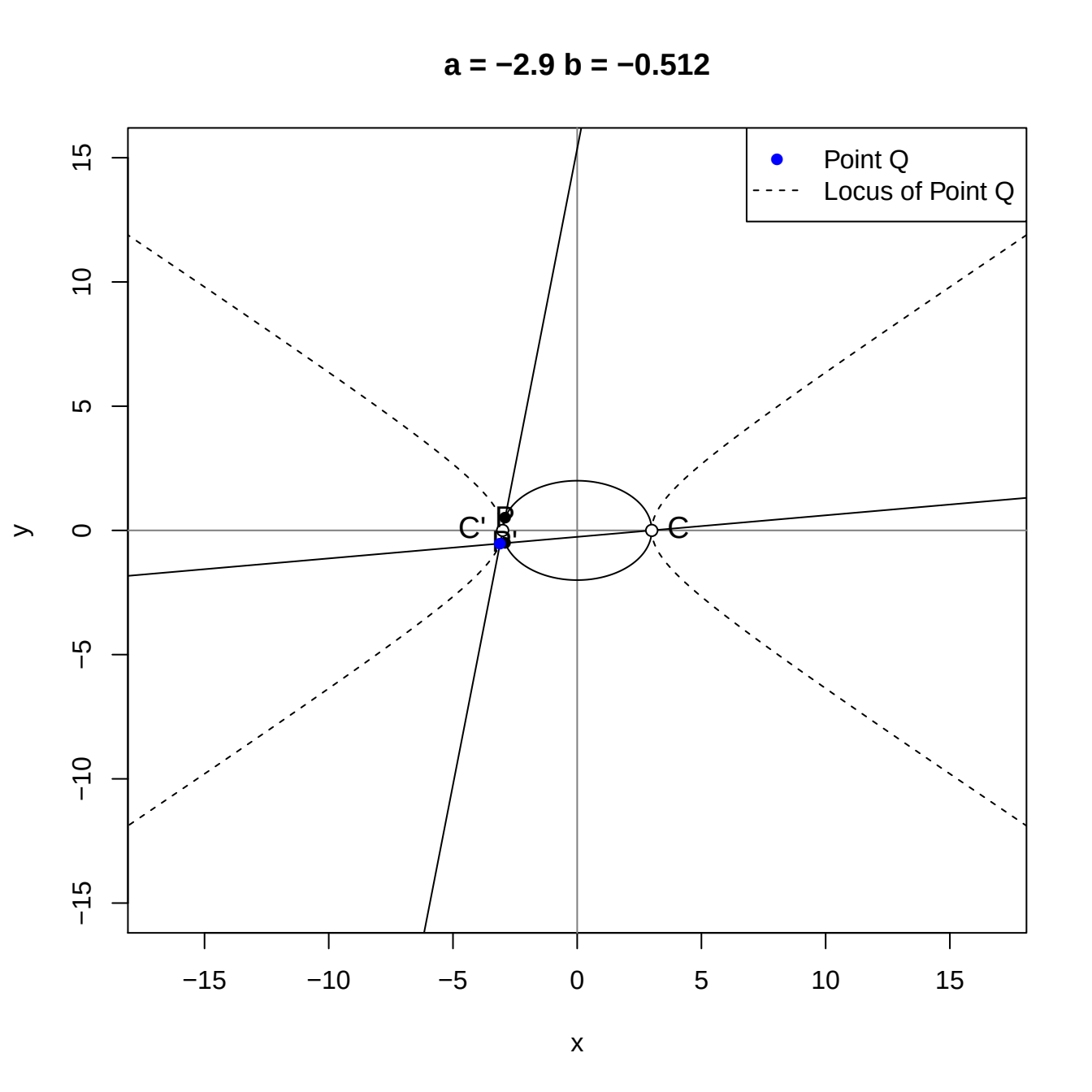

a = −2.65 b = −0.937
Point Q
Locus of Point Q
C'
C
15
10
5
0
−5
−10
−15
y
−15
−10
−5
0
5
10
15
x

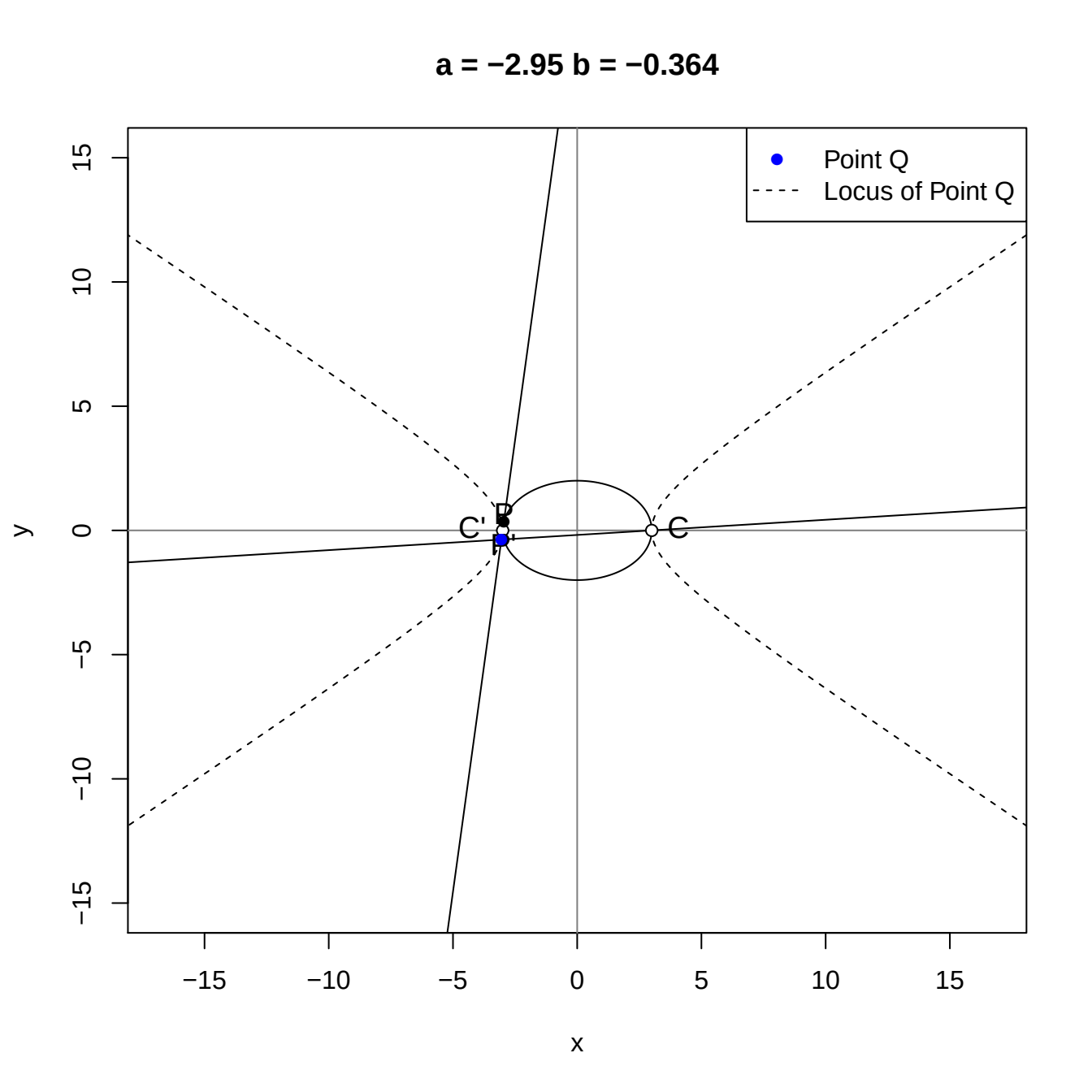

a = −2.7 b = −0.872
Point Q
Locus of Point Q
C'
B'
C
x
y
−15
−10
−5
0
5
10
15


a = −2.75 b = −0.799
Point Q
Locus of Point Q
C'
B'
C
y
x
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15


a = −2.8 b = −0.718
Point Q
Locus of Point Q
C'
B'
C
15
10
5
0
−5
−10
−15
y
−15
−10
−5
0
5
10
15
x


a = −2.85 b = −0.624
Point Q
Locus of Point Q
C'
C
15
10
5
0
−5
−10
−15
y
−15
−10
−5
0
5
10
15
x


a = −2.9 b = −0.512
Point Q
Locus of Point Q
C'
C
15
10
5
0
−5
−10
−15
y
−15
−10
−5
0
5
10
15
x


a = −2.95 b = −0.364
Point Q
Locus of Point Q
C'
D
C
15
10
5
0
−5
−10
−15
y
−15
−10
−5
0
5
10
15
x