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MATH401 HW2

Linear Algebra and its Applications

Question 1

Question 2

```
format long;  
x = 7, y =9  
r = sqrt(x^2+y^2)  
Q = atan(y/x)  
X = 7*sind(50)-9*sind(50)  
Y = 9*cosd(50)+7*sind(50)
```

$x =$

7

$y =$

9

$r =$

11.401754250991379

$Q =$

0.909753157944210

X =

-1.532088886237956

Y =

11.147399589011700

Question 3

Question 4

Question 5

Question 6

Question 7

Question 8

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