

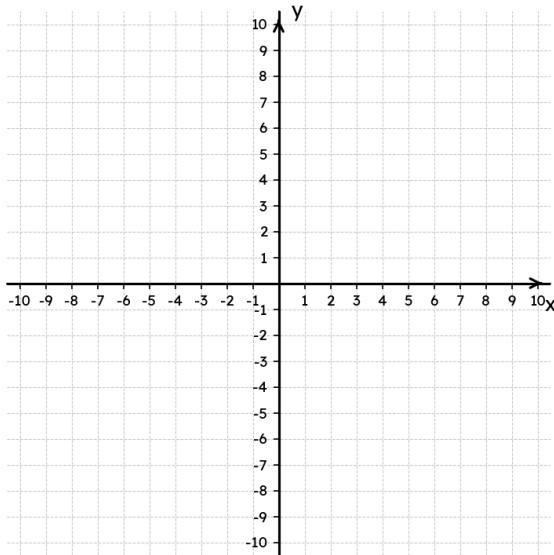


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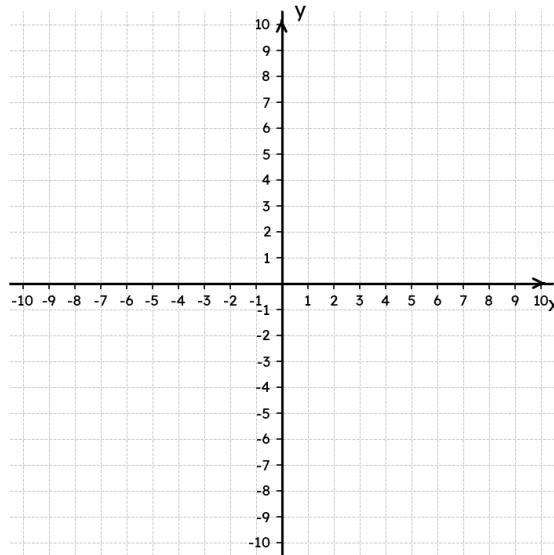
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Graphing Parabolas (Challenge)

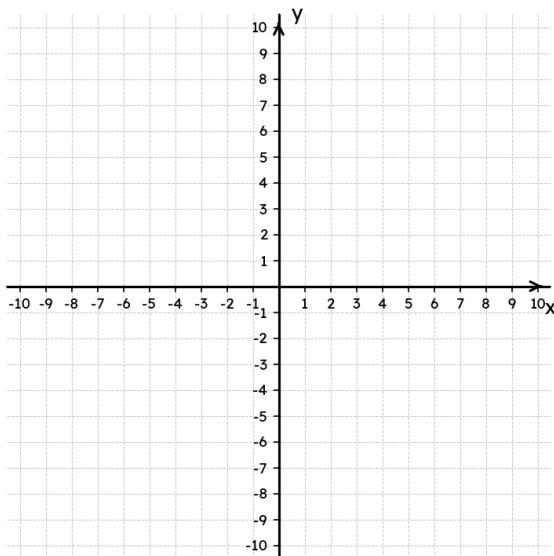
1. $y = -0.5(x + 1.5)^2 - 2$



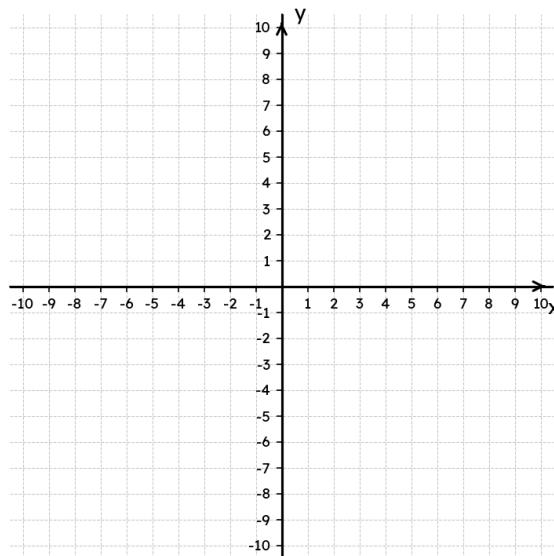
3. $y = (x - 2.5)^2 - 1$



2. $y = 0.5(x - 0.5)^2 + 4$



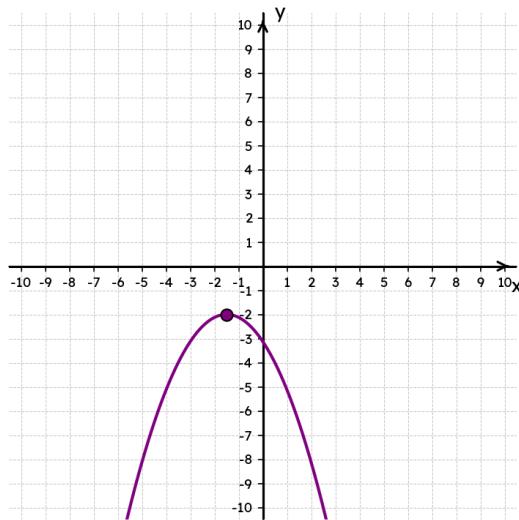
4. $y = 1.5(x + 4)^2 + 4$





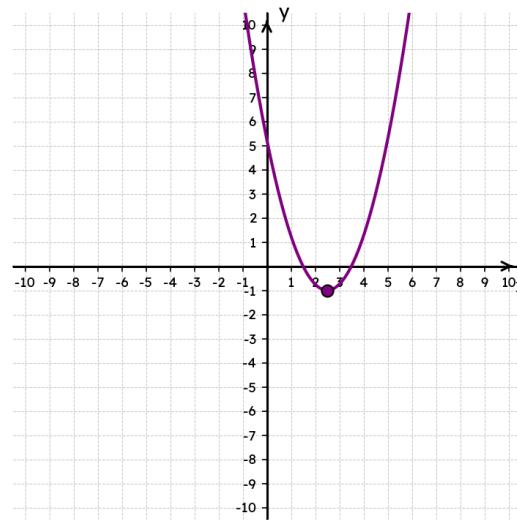
Graphing Parabolas (Challenge) – Answer Key

1. $y = -0.5(x + 1.5)^2 - 2$



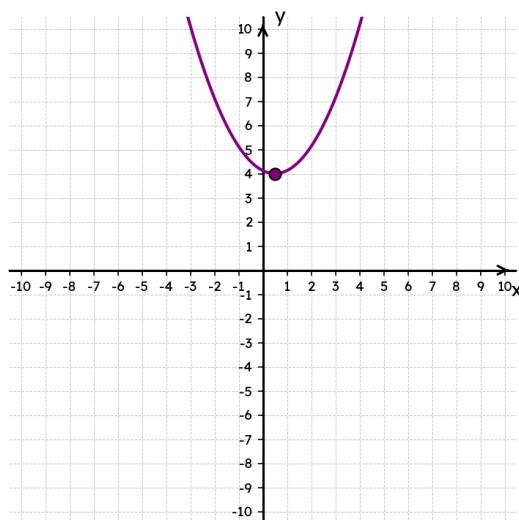
Vertex: (-1.5, -2.0)

3. $y = (x - 2.5)^2 - 1$



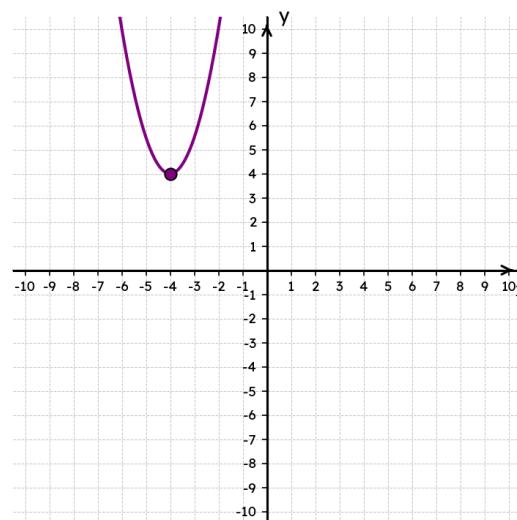
Vertex: (2.5, -1.0)

2. $y = 0.5(x - 0.5)^2 + 4$



Vertex: (0.5, 4.0)

4. $y = 1.5(x + 4)^2 + 4$



Vertex: (-4.0, 4.0)