Quiz 116

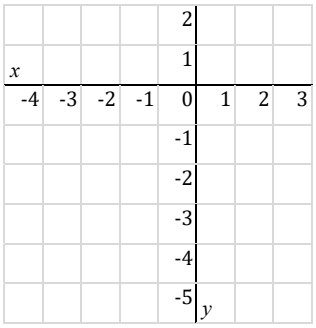
Find the vertex.

1. $y = x^2 + 8x + 9$

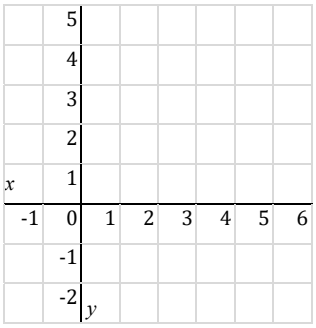
2. $y = -x^2 + 6x - 1$

Graph by plotting the vertex and two additional points on each side of the vertex. Use the y-intercept when possible.

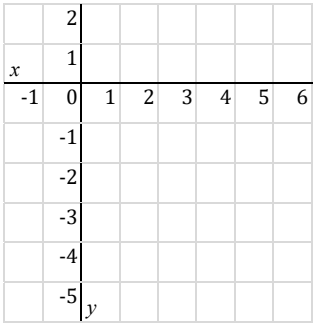
3. $y = x^2 + 2x - 3$



4. $y = x^2 - 4x + 4$



5. $y = -\frac{1}{2}x^2 + 2x$



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