

D2 – Classwork: Practice Problems for Converting from Standard Form to Vertex Form

Proficient – Convert to vertex form and then state the vertex.

Advanced - Convert to vertex form and then state the vertex.

1) $y = x^2 + 12x + 23$

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

2) $y = x^2 + 8x + 13$

2.) $y = 5x^2 - 4x + 1$

3) $y = x^2 - 6x + 14$

3.) $y = 2x^2 - 4x + 8$

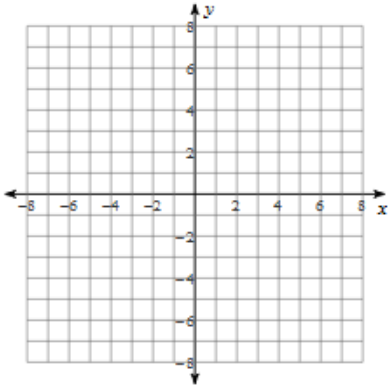
4) $y = x^2 + 12x + 44$

4.) $y = -3x^2 - 12x - 13$

5) $y = x^2 - 10x + 5$

6) $y = x^2 + 7x + 4$

11) $y = (x - 2)^2 - 5$



12) $y = (x + 3)^2 - 3$

