

Name: _____

Vertex Form

Use completing the square to rewrite each quadratic function in vertex form.

Matching:

___ 1. $y = x^2 - 8x + 11$

___ 2. $y = x^2 + 4x - 5$

___ 3. $y = 5x^2 - 10x + 7$

___ 4. $y = x^2 - 8x - 15$

A.

B.

C.

D.



AOS:

Yes / No

Use completing the square to rewrite each quadratic function in vertex form. Then identify the vertex.

5. $y = x^2 + 4x - 3$

6. $y = x^2 + 22x +$

Vertex:

Vertex:

8. $y = -2x^2 + 12x + 1$

9. $y = -3x$

Vertex:

Vertex:

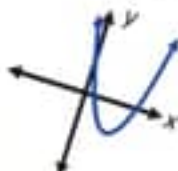
11. $y = 3x^2 - 6x - 2$

12.

Vertex:

Write each function in vertex form. (AOS), then tell whether each graph

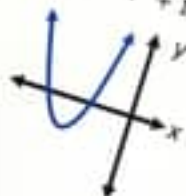
14. $y = x^2 + 6x + 3$



AOS:

Yes / No

16. $y = -4x^2 + 16x + 5$



AOS:

Yes / No

18. $y = -2x^2 + 8x + 5$



AOS:

Yes / No

AOS:

Yes / No

17. $f(x)$

AOS:

Yes / No



AOS:

$-2x^2 - 8x$

