

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.	y
B.	y
C.	y
D.	y



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. $y = -3x^2$

Vertex:

Vertex:

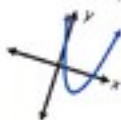
11. $y = 3x^2 - 6x - 2$

12.

Vertex:

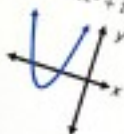
Write each function in vertex form (AOS), then tell whether each graph

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



AOS:
Yes / No

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



AOS:
Yes / No

AOS:
Yes / No

17. $f(x)$

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



AOS:
Yes / No

AOS:
Yes / No



$-2x^2 - 8x$

AOS:

