

Name: _____ Date: _____

Converting Forms of a Quadratic

Convert from vertex form to standard form.

1. $f(x) = (x + 4)^2 + 5$

2. $f(x) = -(x + 3)^2 - 2$

3. $f(x) = 2(x - 2)^2 - 3$

Convert from standard form to vertex form by using $h = -b/2a$. Then, give the axis of symmetry and vertex.

4. $f(x) = x^2 + 4x + 3$

5. $f(x) = x^2 - 2x + 5$

6. $f(x) = 2x^2 - 8x + 17$

Convert from standard form to vertex form by using the calculator. Then, give the axis of symmetry and vertex.

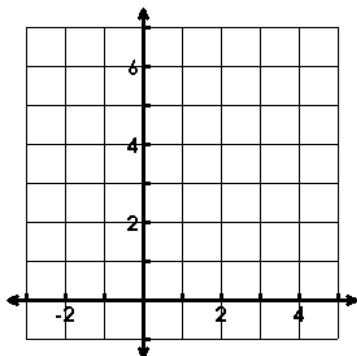
7. $f(x) = x^2 - 8x + 15$

8. $f(x) = x^2 - 4x$

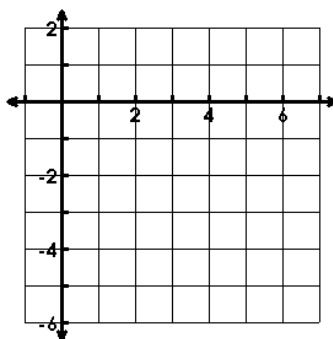
9. $f(x) = 2x^2 + 12x + 7$

Graphing in Standard Form Practice

10. $f(x) = x^2 - 4x + 5$



11. $f(x) = -x^2 + 6x - 8$



12. $f(x) = -x^2 + 4$

