

Name: _____ Date: _____

Converting from Vertex Form to Standard Form

Multiply out the binomial, distribute (if needed), & combine like terms.

1. $() = (1)^2 + 8f + 2.$

$() = 23 - 5f^2 + 22f$

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

$() = 21 - 2f^2 + 22f$

Converting from Standard Form to Vertex Form

5. $() = f^2 + 8f + 6.$

$() = f^2 + 10f + 20.$

7. $() = 36f^2 + 5f + 2.$

8. $() = -2f^2 + 32f + 20.$

9. $() = f^2 + 6f + 8.$

$() = f^2 - 4f + 3$

11. $() = 32f^2 + 50f + 12.$

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