



Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Quadratic Functions – Easy

1. Does  $f(x) = -(x - 1)^2 + 2$  open up (1) or down (-1)?
2. Does  $f(x) = (x + 2)^2 + 2$  open up (1) or down (-1)?
3. Find vertex of  $f(x) = 2(x - 2)^2 + 10$
4. Find vertex of  $f(x) = 2(x - 5)^2 - 4$
5. Does  $f(x) = -(x + 2)^2 + 9$  open up (1) or down (-1)?
6. Does  $f(x) = -2(x - 1)^2 + 1$  open up (1) or down (-1)?
7. Does  $f(x) = -2(x - 4)^2 + 8$  open up (1) or down (-1)?
8. Find vertex of  $f(x) = -(x + 5)^2 + 10$



## Quadratic Functions – Easy – Answer Key

1. Does  $f(x) = -(x - 1)^2 + 2$  open up (1) or down (-1)?
2. Does  $f(x) = (x + 2)^2 + 2$  open up (1) or down (-1)?
3. Find vertex of  $f(x) = 2(x - 2)^2 + 10$   
 $x = 2$
4. Find vertex of  $f(x) = 2(x - 5)^2 - 4$   
 $x = 5$
5. Does  $f(x) = -(x + 2)^2 + 9$  open up (1) or down (-1)?
6. Does  $f(x) = -2(x - 1)^2 + 1$  open up (1) or down (-1)?
7. Does  $f(x) = -2(x - 4)^2 + 8$  open up (1) or down (-1)?
8. Find vertex of  $f(x) = -(x + 5)^2 + 10$   
 $x = -5$