



Warm Up
Day 12

Match each equation to its parabolic graph above.

1. $y = -(x + 2)^2 + 6$

2. $y = -(x - 2)^2 + 6$

3. $y = (x - 2)^2 - 6$

4. $y = (x + 2)^2 - 6$

5. If $f(x) = (x + 8)^2 - 4$, find $f(-11)$.

6. If $f(x) = .007x^2 + .83x - 6.25$, find $f(10.5)$

7. Using your calculator, find the quadratic regression equation for the following points:
(10, 31) (21, 45) (28, 60) (35, 64) (41, 50) (55, 27)