

1.3 HW

Describe the transformation of each function compared to its parent function.

1. $f(x) = (x-4)^2 + 9$

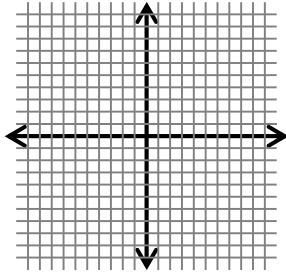
2. $f(x) = -2x^2 - 3$

3. $f(x) = \frac{1}{4}(x+6)^2$

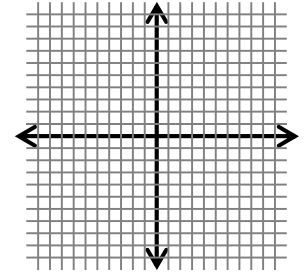
4. $f(x) = -(x-7)^2 - 1$

Give the vertex and axis of symmetry of each equation/inequality, then graph.

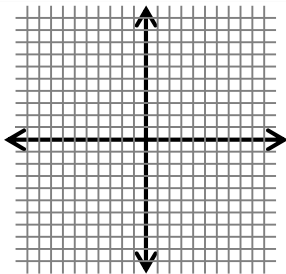
7. $f(x) = (x+1)^2 - 8$



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



9. $f(x) = \frac{1}{2}x^2 - 3$



10. $f(x) = -3(x-4)^2 + 1$

