

WARM-UP

Describe the transformation using the quadratic equation.

For #1 – 4, only answer the appropriate information.	
1) $f(x) = -(x + 3)^2$	Reflect across the x – axis: Yes or No (circle one) Vertical stretch/narrow by a factor of _____ Vertical compression/ shrink by a factor of _____ Shift _____ by _____ units Shift _____ by _____ units
2) $h(x) = -\frac{3}{4}x^2 + 8$	Reflect across the x – axis: Yes or No (circle one) Vertical stretch/narrow by a factor of _____ Vertical compression/ shrink by a factor of _____ Shift _____ by _____ units Shift _____ by _____ units
3) $f(x) = 6(x - 7)^2 - 1$	Reflect across the x – axis: Yes or No (circle one) Vertical stretch/narrow by a factor of _____ Vertical compression/ shrink by a factor of _____ Shift _____ by _____ units Shift _____ by _____ units