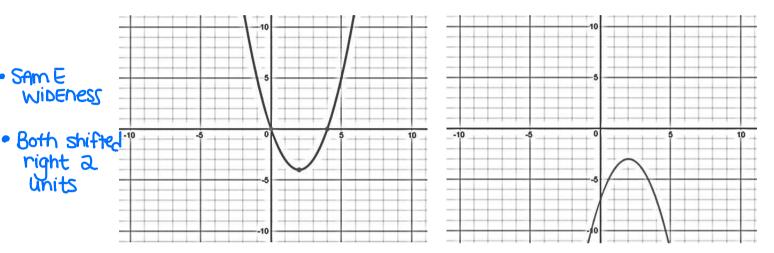
NAME: ______ PERIOD: _____ DATE: _____

Homework Problem Set

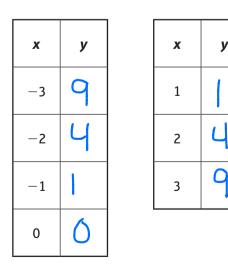
1. Give at least one reason the following two parabolas could be grouped together.

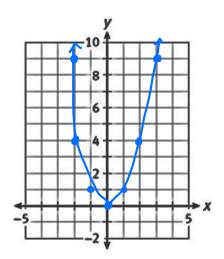


2. Give at least one reason the following two quadratic equations could be grouped together.

y

• Both shift $yp \rightarrow$ something added after () 3. The parent graph, $y = x^2$, is the most basic quadratic there is. Complete the table for this function and graph the points on the grid at the right.





Spiral REVIEW—Function Notation

Determine each of the following from the graph, table and equation.

		x $y=f(x)$ -4 -10 -3 5 -2 0 -1 1 0 1 1 2.5 2 -3 3 -7 4 8	$f(x)=3x^2+2$
	From the Graph	From the Table	From the Equation
4.	A. f(0) =	B. f(0) =	C. f(0) = 2
5.	A. f(3) =	B. f(3) = -7	C. f(3) = 2 9
6.	A. $f(-3) = 2$	B. <i>f</i> (−3) = 5	C. f(-3) = 2 9
7.	A. $f(\frac{1}{2}) = 2$	B. $f\left(\frac{1}{2}\right) = \frac{NOT}{DEFINED}$	C. $f(\frac{1}{2}) = \frac{3}{4} + 2 = \frac{11}{4}$
8.	A. $f(5) = NOT DEFINED$	B. f(5) = NOT DEFINED	C. f(5) = 77

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