



Warm Up Grade 8 Before Quiz



- 1) Use substitution for $y = -5x + 1$ using $x = -2, -1, 0, 1, 2$ (Show work)
You can use your calculators but show work for first 3 entries.

Input x	Output $-5x + 1$	Ordered Pairs
-2	11	$(-2, 11)$
-1	6	$(-1, 6)$
0	1	$(0, 1)$
1	-4	$(1, -4)$
2	-9	$(2, -9)$

$$\begin{array}{l}
 x = -2 \\
 -5x + 1 \\
 -5(-2) + 1 \\
 \underline{10} + 1 \\
 11
 \end{array}
 \qquad
 \begin{array}{l}
 x = -1 \\
 -5x + 1 \\
 -5(-1) + 1 \\
 \underline{5} + 1 \\
 6
 \end{array}$$

$$\begin{array}{l}
 x = 0 \\
 -5x + 1 \\
 -5(0) + 1 \\
 \underline{0} + 1 \\
 1
 \end{array}$$