1. Decide whether $(2, 1)$ is a solution of the equation $4x - 3y = 6$.

$4(2) - 3(1) \stackrel{?}{=} 6$

$8 - 3 \stackrel{?}{=} 6$

$5 = 6$ ✗

No, it's not.

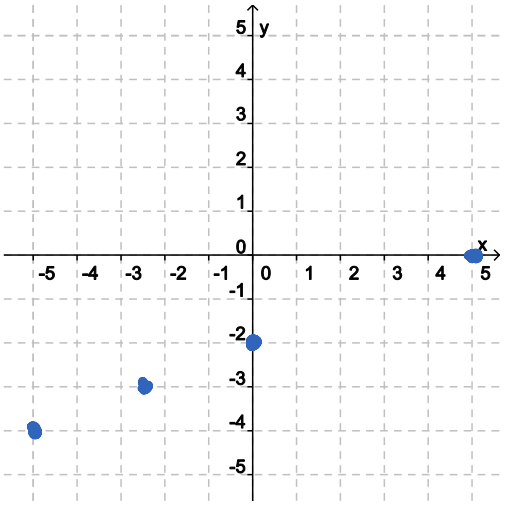
2. Decide whether $(-6, 4)$ is a solution of the equation $x = -6$.

$-6 = -6$ ✓

Yes, it is.

3. Complete the table of values for $2x - 5y = 10$. Write the results as ordered pairs.

x	y	(x, y)
0	−2	(0, -2)
5	0	(5, 0)
$-2\frac{1}{2}$	−3	$(-2\frac{1}{2}, -3)$
−5	−4	(-5, -4)



$x = 0$:

$2(0) - 5y = 10$

$0 - 5y = 10$

$-5y = 10$

$y = -2$

$y = -3$:

$2x - 5(-3) = 10$

$2x + 15 = 10$

$2x = -5$

$x = -\frac{5}{2} = -2\frac{1}{2}$

$y = 0$:

$2x - 5(0) = 10$

$2x - 0 = 10$

$2x = 10$

$x = 5$

$x = -5$:

$2(-5) - 5y = 10$

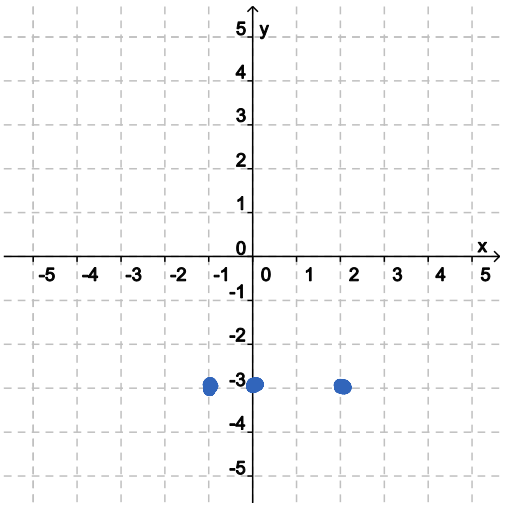
$-10 - 5y = 10$

$-5y = 20$

$y = -4$

4. Complete the table of values for $y + 3 = 0$. Write the results as ordered pairs.

x	y	(x, y)
-1	-3	$(-1, -3)$
0	-3	$(0, -3)$
2	-3	$(2, -3)$



For all x-values, we have:

$y + 3 = 0$

$y = -3$

Q: What five-letter word becomes shorter when you add two letters to it?