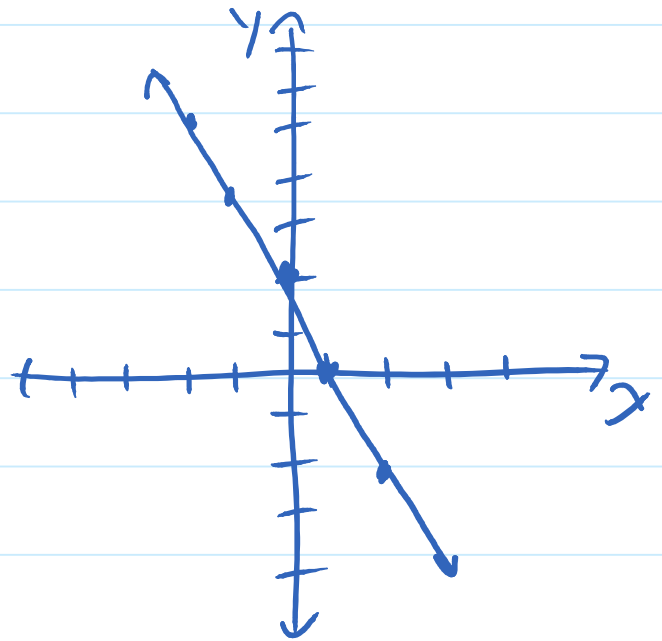


GRAPHING KNOWN FUNCTION NOTATION

$$f(x) = -2x + 2$$

x	$-2x + 2$	$f(x) = y$
-2	$-2(-2) + 2$	6
-1	$-2(-1) + 2$	4
0	$-2(0) + 2$	2
1	$-2(1) + 2$	0
2	$-2(2) + 2$	-2



$$f(x) = 3x - 2 \quad \text{known on } x = 2, 5$$

$$f(2) = 3(2) - 2 = 4$$

$$f(2) = 4 \quad (2, 4)$$

$$f(5) = 3(5) - 2 = 17$$

$$f(5) = 17 \quad (5, 17)$$

The function $C(x) = \cancel{200} + 25x + 50$

Represents the labor cost in \$ taking x hours from Vendor A to build a deck.

The table shows costs for Vendor B.

Which vendor for 8 hours?

hr	\$
2	130
4	160
6	190

A $C(8) = 25(8) + 150 = \$250$

B $190 + 30 = \$220$

