

$$\begin{cases} 8x + 11y = -16 \\ -4(2x + 3y = -4) \end{cases}$$

$$\begin{cases} 8x + 11y = -16 \\ -8x - 12y = 16 \end{cases}$$


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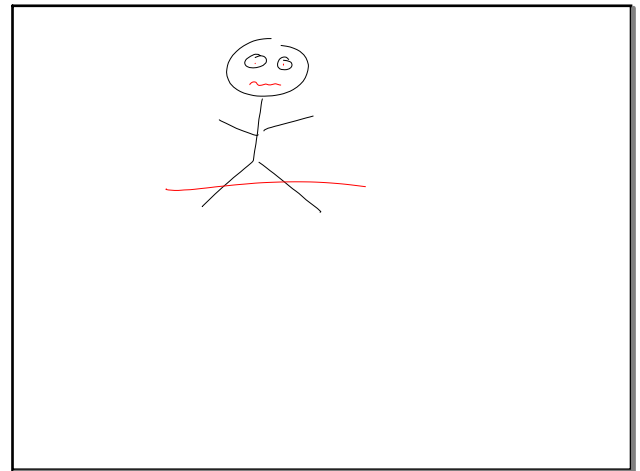

$$y = 0$$

$$8x + 11(0) = -16$$

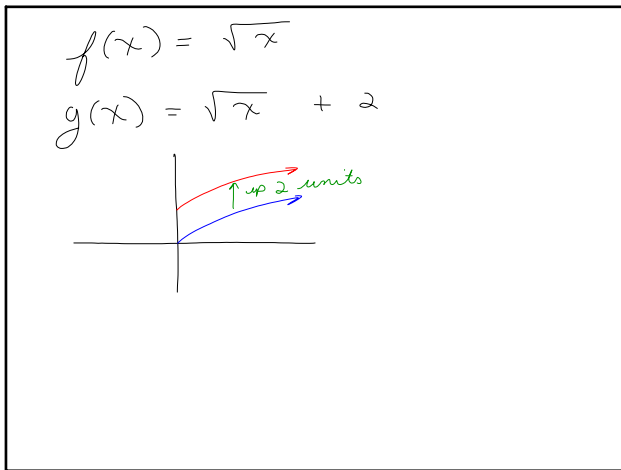
$$8x = -16$$

$$x = -2$$

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Mar 6-10:30 AM

$f(x) = \sqrt{x} + k$

↑  
Parent

The effect of  $k$

- ① If  $k > 0$ ,  $\sqrt{x}$  shifts up  $k$  units
- ② If  $k < 0$ ,  $\sqrt{x}$  shifts down  $k$  units

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$f(x) = \sqrt{x}$

$h(x) = \sqrt{x-3} + 0$

$x$	$h(x)$
3	0
4	1
7	2
12	3

Test for Domain:

$$x - 3 \geq 0$$

$$x \geq 3$$

Domain:  $[3, \infty)$

$f(x) = \sqrt{x-h}$

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