

24.  $f(x) = \frac{1}{3}x + 4$

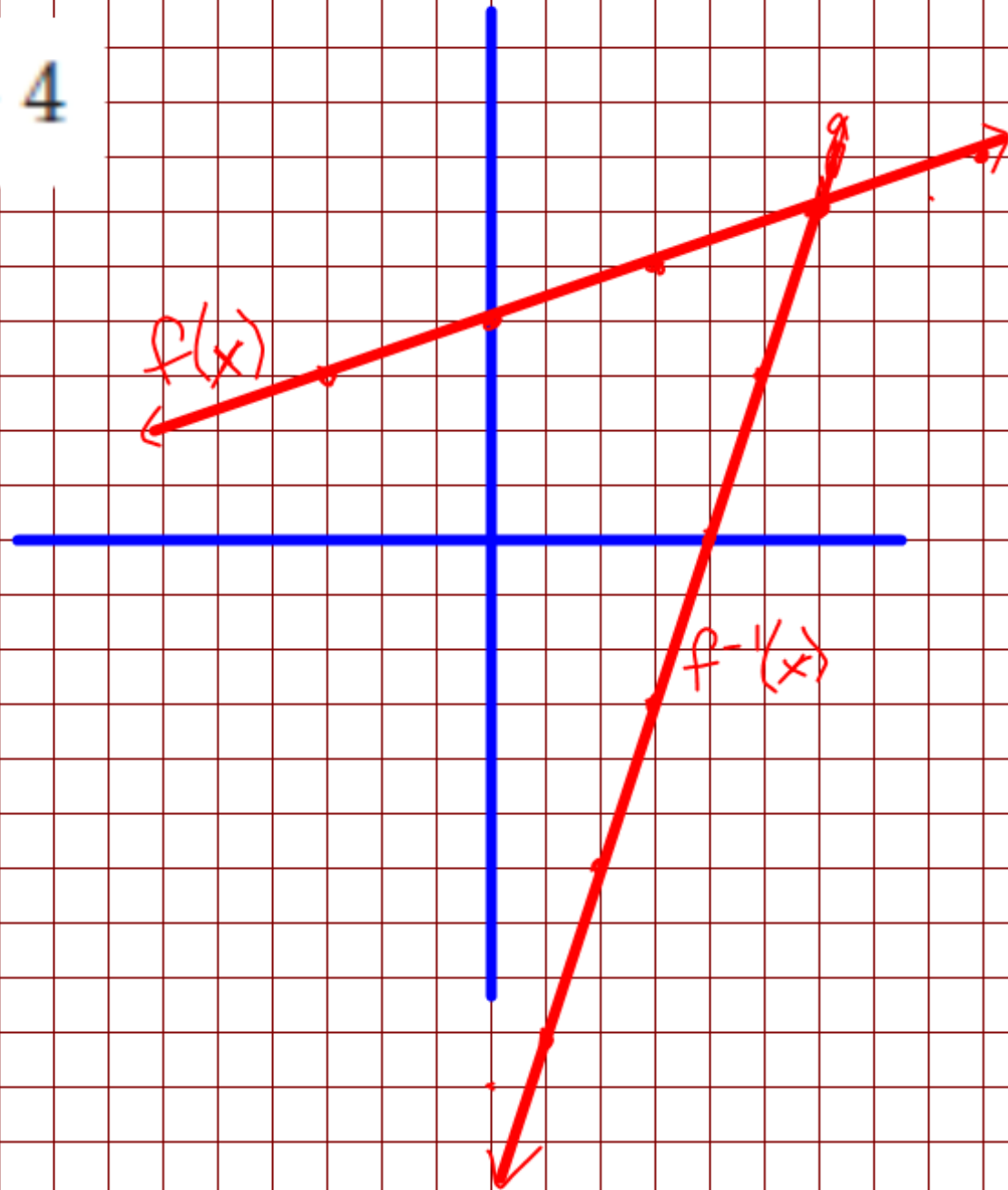
$$y = \frac{1}{3}x + 4$$

$$x = \frac{1}{3}y + 4$$

$$3(x-4) = \frac{1}{3}y(3)$$

$$3x - 12 = y$$

$$3x - 12 = f^{-1}(x)$$



$$27. f(x) = \frac{7x-4}{8} = \frac{7}{8}x - \frac{1}{2}$$

$$y = \frac{7x-4}{8}$$

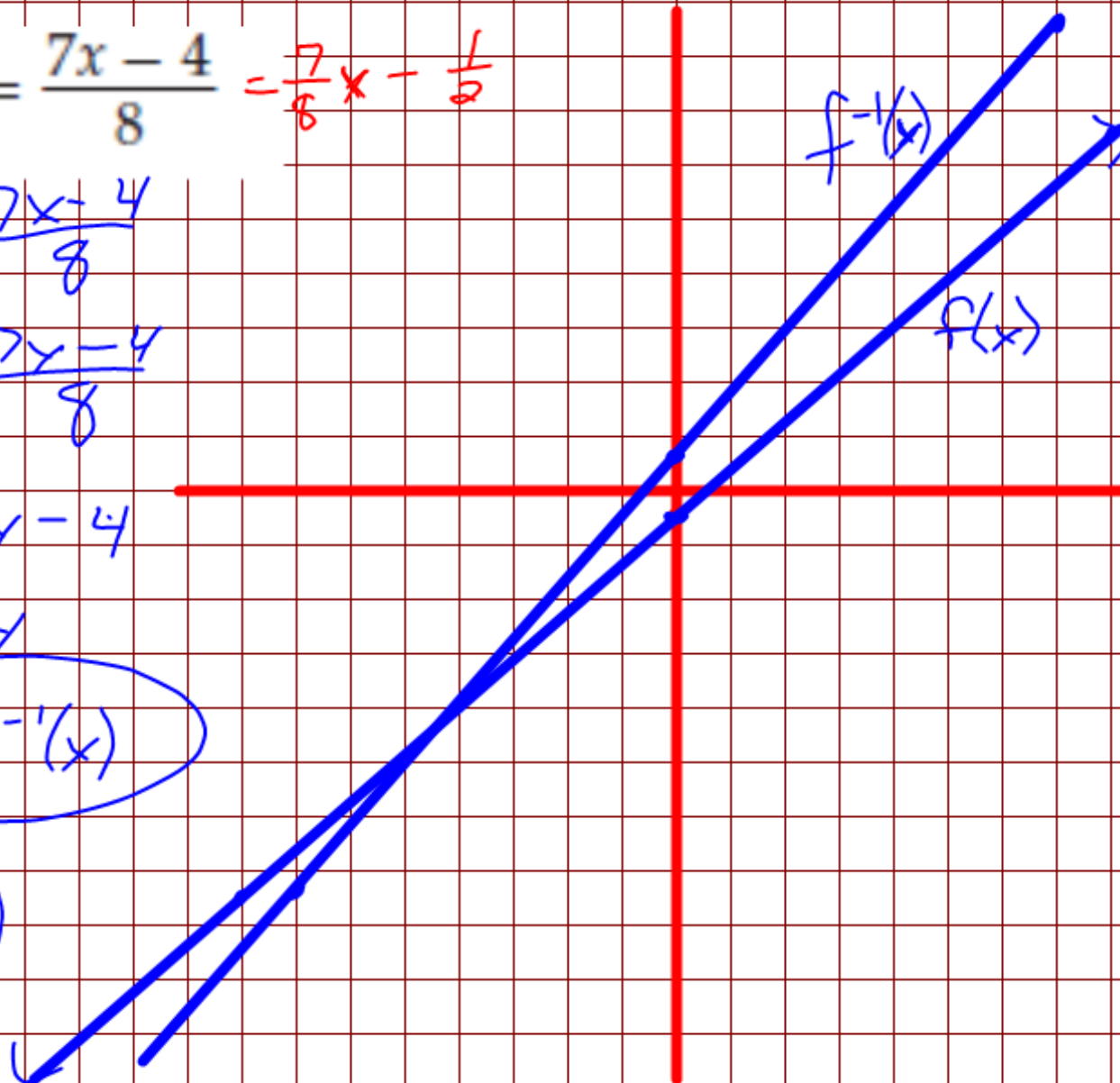
$$x = \frac{7y-4}{8}$$

$$8x = 7y - 4$$

$$8x + 4 = 7y$$

$$\frac{8x+4}{7} = f^{-1}(x)$$

$$\frac{8}{7}x + \frac{4}{7}$$



30.  $f(x) = x - 5$   
 $g(x) = x + 5$

$$[f \circ g](x) = f(x + 5) = x + 5 - 5 = x$$

$$[g \circ f](x) = g(x - 5) = x - 5 + 5 = x$$

yes

ex. 1)  $y = \sqrt{3x+4}$

$$3x+4 \geq 0$$

$$3x \geq -4$$

Domain:  $x \geq -\frac{4}{3}$

$x$	$y$
$-\frac{4}{3}$	
$-1$	
$0$	
$1$	
$10$	