Lesson 6.1-6.2

1. $5x+2y=20$ $-5x$ $-5x$

$\frac{2y}{2}=\frac{20-5x}{2}$

$y=10-\frac{5}{2}x$

$y=-\frac{5}{2}x+10$

slope $=-\frac{5}{2}$
y-intercept $=10$

2. $3x-y=6$ $-3x$ $-3x$

$\frac{-y}{-1}=\frac{6-3x}{-1}$

$y=-6+3x$

$y=3x-6$

slope $=3$
y-intercept $=-6$

3. $-8x+2y=14+8x$ $+8x$ $+8x$

$\frac{2y}{2}=\frac{14+8x}{2}$

$y=7+4x$

$y=4x+7$

slope $=4$
y-intercept $=7$

7. x-intercept:

$2x-3(0)=6$

$2x=6$

$x=3$

y-intercept:

$2(0)-3y=6$

$-3y=6$

$y=-2$

8. x-intercept:

$8x+4(0)=16$

$8x=16$

$x=2$

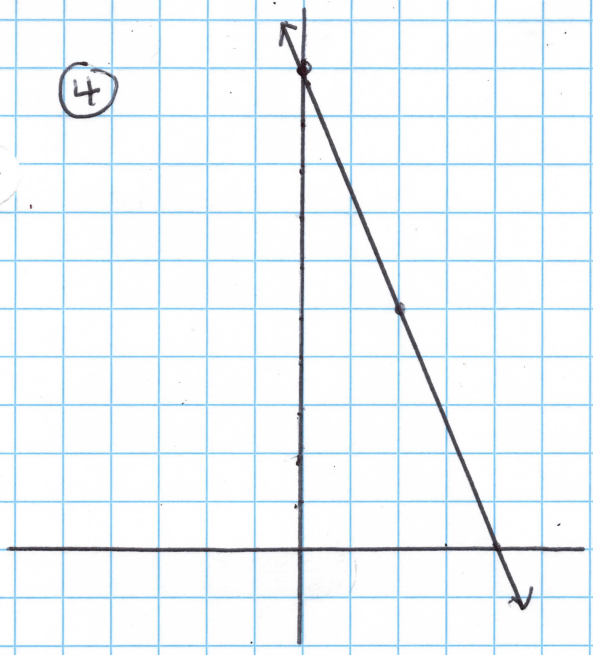
y-intercept:

$8(0)+4y=16$

$4y=16$

$y=4$

4



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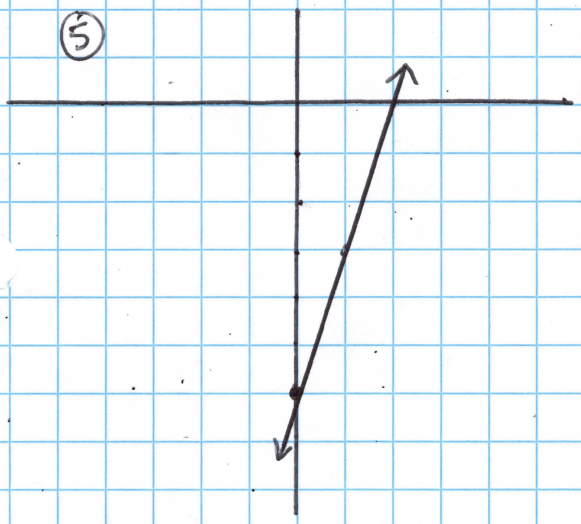

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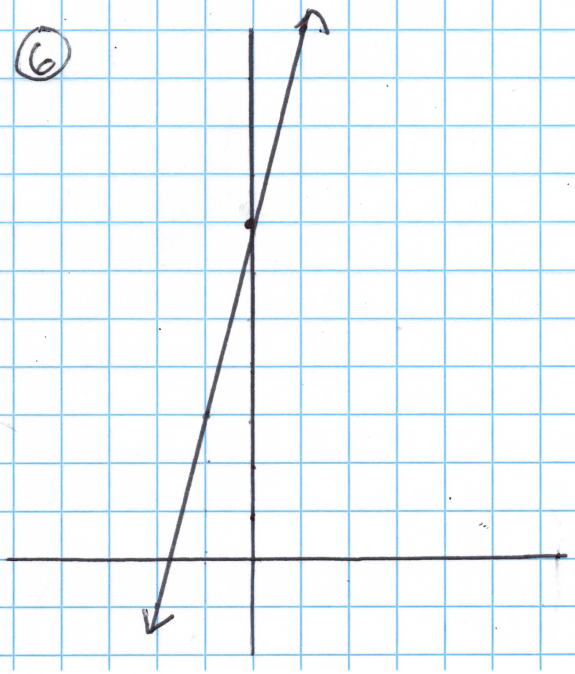

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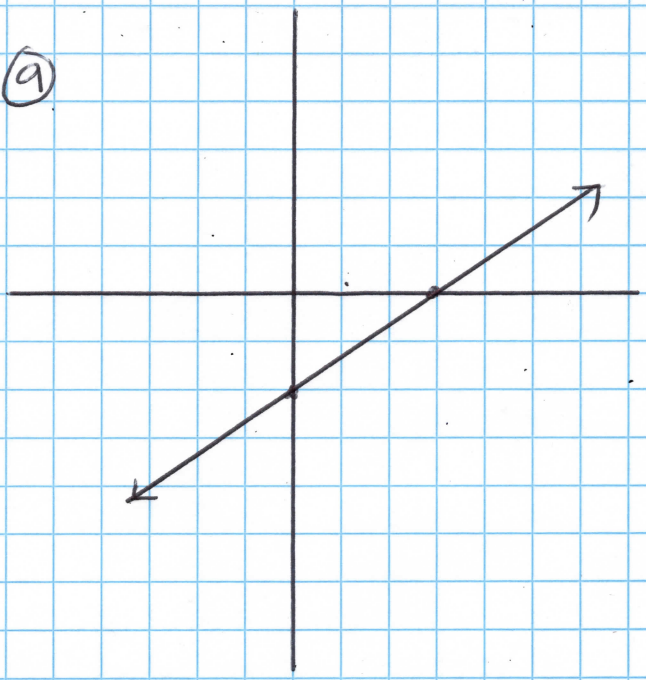

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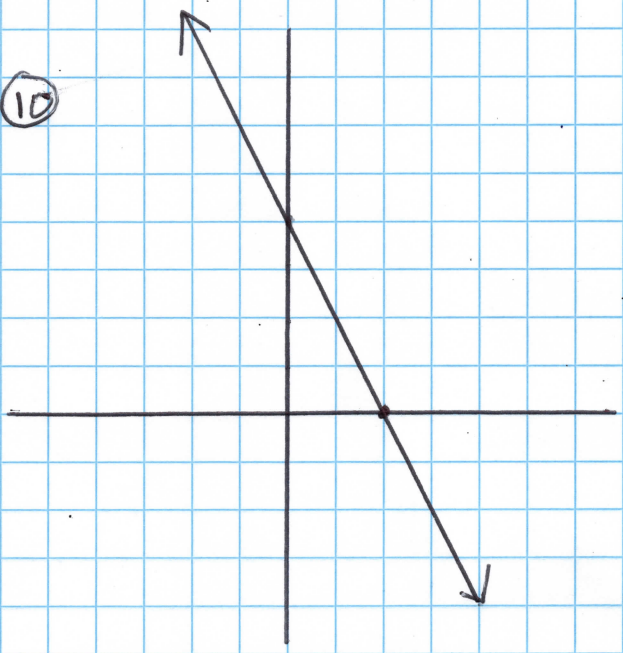

You can use the slope formula or graph paper.

11. $m = -3/2$

12. $m = 4$

13. $m = 0$

14. $m =$ undefined

15 0

16. undefined