

## Section 5.3 Direct Variation Practice Date \_\_\_\_\_ Period \_\_\_\_\_ Assignment Code: \_\_\_\_\_

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**1) Solve for y, if necessary. 2) Decide if the equation is a direct variation. If so, determine the constant of variation, k.**

1)  $x = -16 + 4y$

2)  $-2x = y$

3)  $-2y - 5x = 4$

4)  $2x + 2y - 2 = 0$

5)  $-2y = -5x$

6)  $-6y - 4x = -12$

7)  $-30 + 9x = 6y$

8)  $x = -y$

9)  $y + x = -3$

10)  $0 = 2y - 10 + 7x$

$$11) 4y - 3x = -8$$

$$12) 0 = -x + \frac{1}{3}y$$

$$13) 5y + x = -20$$

$$14) 3y - 2x - 3 = 0$$

$$15) x - y = 0$$

$$16) 0 = 2 - y + 3x$$

$$17) -3 - y = 3x$$

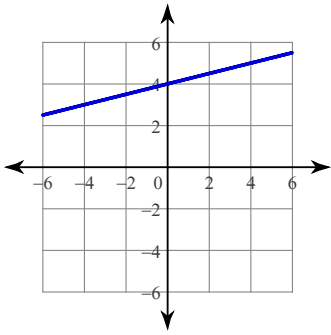
$$18) 3 = 3x$$

$$19) -5y = -5 - 4x$$

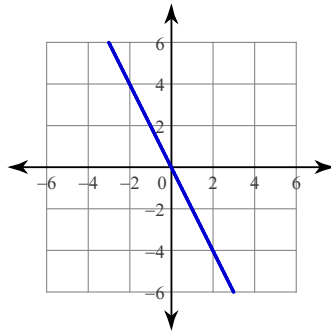
$$20) y = -x + 2$$

# Answers to Section 5.3 Direct Variation Practice (ID: 1)

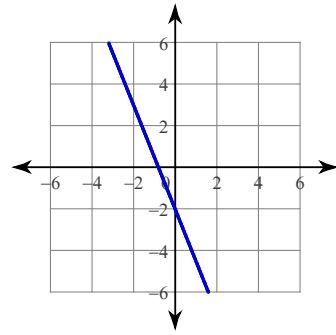
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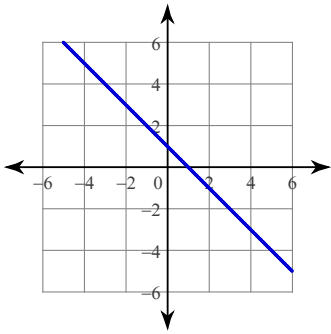
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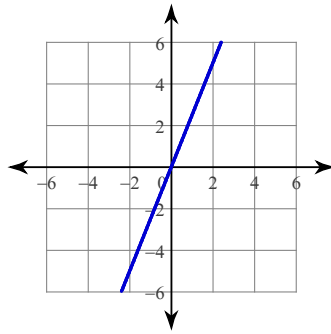
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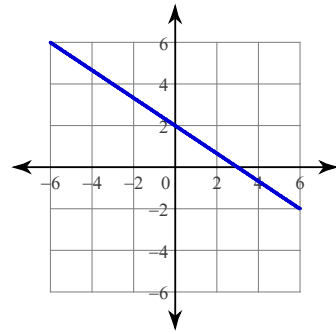
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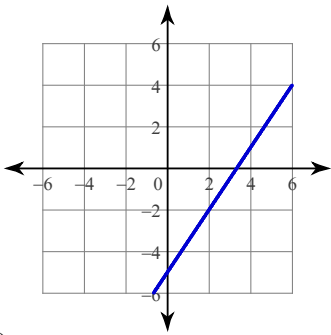
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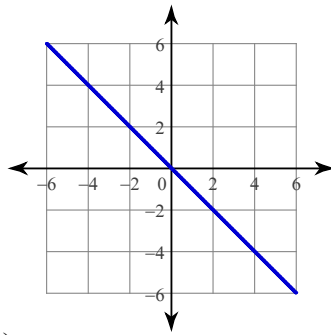
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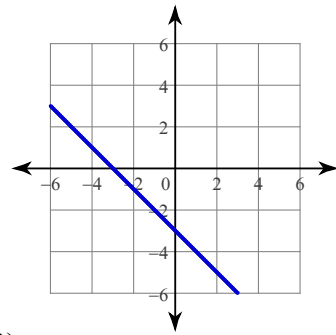
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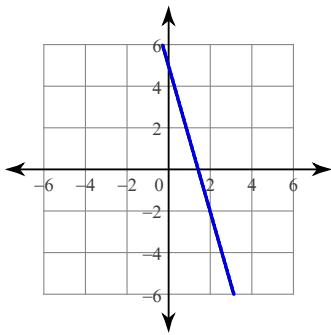
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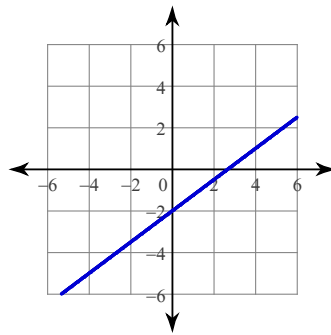
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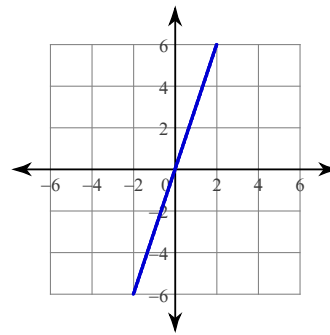
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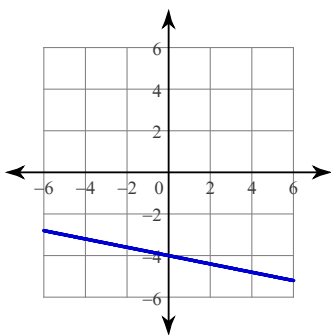
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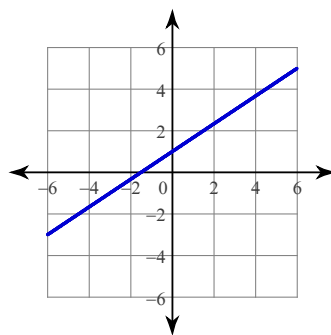
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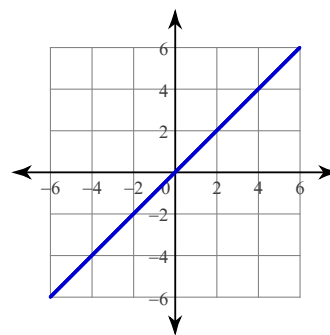
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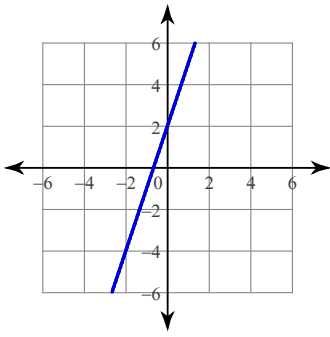
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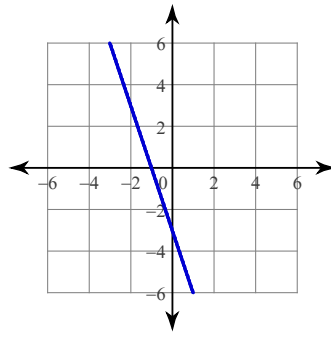
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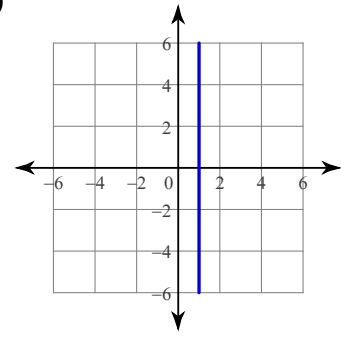
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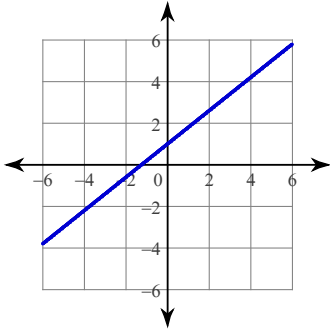
17)



18)



19)



20)

