

**Exercise 1** If  $L(t) = 3t + 5$ , then its graph is a line. What is the slope of this line?

slope =

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**Exercise 2** Let  $L$  be a line on the  $kp$ -axes. Suppose  $L$  has slope 4 and  $k$ -intercept  $(0, -3)$ .

This line represents a linear function  $D$ .

Give a formula for  $D$ .

$D(k) =$

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**Exercise 3** If  $R(x) = 2x - 3 + 3x - 5 - x + 4$ , then its graph is a line. What is the slope of this line?

slope =

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**Exercise 4** If  $R(x) = 2x - 3 + 3x - 5 - x + 4$ , then  $R(0) =$  .

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**Exercise 5** If  $R(x) = 2x - 3 + 3x - 5 - x + 4$ , then its graph is a line. What is the  $x$ -intercept of this line?

$x$ -intercept is

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**Exercise 6** Let  $L$  be a line on the  $tg$ -axes. Suppose  $L$  has slope 5 and  $g$ -intercept  $(0, -2)$ .

This line represents a linear function  $f$ .

Which of the following is an equation for this line?

**Multiple Choice:**

(a)  $y = 5t - 2$

(b)  $y = 5x - 2$

(c)  $g = 5t - 2$  ✓

(d)  $t = 5g - 2$

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