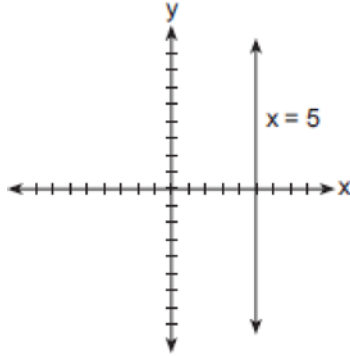


S.ID.C.7: Slope 2b

- 1 The accompanying figure shows the graph of the equation $x = 5$.



What is the slope of the line $x = 5$?

- 2 What is the slope of a line represented by the equation $2y = x - 4$?
- 3 What is the slope of the line whose equation is $2y = 5x + 4$?
- 4 What is the slope of the line represented by the equation $4x + 3y = 7$?
- 5 What is the slope of the line represented by the equation $4x + 3y = 12$?
- 6 What is the slope of the line whose equation is $3x - 7y = 9$?
- 7 What is the slope of the line whose equation is $3x - 4y - 16 = 0$?
- 8 What is the slope of the linear equation $5y - 10x = -15$?
- 9 The line represented by the equation $2y - 3x = 4$ has a slope of
- 10 What is the slope of the line whose equation is $4x = 3(y + 8)$?
- 11 Which linear equation represents a line that has a slope of $\frac{2}{3}$?
- 1) $-2y = -3x + 6$ 2) $-3y = 2x + 6$
3) $3y = -2x + 6$ 4) $3y = 2x + 6$
- 12 The line $3x - 2y = 12$ has
- 1) a slope of $\frac{3}{2}$ and a y-intercept of -6 2) a slope of $-\frac{3}{2}$ and a y-intercept of 6 3) a slope of 3 and a y-intercept of -2 4) a slope of -3 and a y-intercept of -6

S.ID.C.7: Slope 2b

Answer Section

1 ANS:
undefined

REF: 060012a

2 ANS:

$$\frac{1}{2}$$

$$y = \frac{1}{2}x - 2$$

REF: 011409ia

3 ANS:

$$\frac{5}{2}$$

To solve for y , divide the equation by 2.

$$\frac{2y}{2} = \frac{5x}{2} + \frac{4}{2}$$

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

REF: 010203a

4 ANS:

$$-\frac{4}{3}$$

$$m = \frac{-A}{B} = \frac{-4}{3}$$

REF: 011516ia

5 ANS:

$$-\frac{4}{3}$$

$$m = \frac{-A}{B} = \frac{-4}{3}$$

REF: 061319ia

6 ANS:

$$\frac{3}{7}$$

$$m = \frac{-A}{B} = \frac{-3}{-7} = \frac{3}{7}$$

REF: 011122ia

7 ANS:

$$\frac{3}{4}$$

$$m = -\frac{A}{B} = -\left(\frac{3}{-4}\right) = \frac{3}{4}$$

REF: 089919a

8 ANS:

$$2$$

$$m = -\frac{A}{B} = -\left(\frac{-10}{5}\right) = 2$$

REF: 060205a

9 ANS:

$$\frac{3}{2}$$

$$m = \frac{-A}{B} = \frac{-(-3)}{2} = \frac{3}{2}$$

REF: 061212ia

10 ANS:

$$\frac{4}{3}$$

$$4x = 3y + 24$$

$$4x - 24 = 3y$$

$$y = \frac{4}{3}x - 8$$

REF: 061615ia

11 ANS: 4

REF: 061509ia

12 ANS: 1

$$m = -\frac{A}{B} = -\left(\frac{3}{-2}\right) = \frac{3}{2}. \quad y\text{-intercept} = \frac{C}{B} = \frac{12}{-2} = -6.$$

REF: 060428a