



Questions?  
Ask a live tutor now!

Ask Question 

Find the slope of the line  $2y + 6x = 1$ .

Question

$$2y + 6x = 1$$

$$2y + 6x - 6x = -6x + 1$$

$$2y = -6x + 1$$

$$\frac{2y}{2} = \frac{-6x}{2} + \frac{1}{2}$$

$$y = -3x + \frac{1}{2}$$

$$y = mx + b$$

$$\text{Slope} = m = -3$$

Answer

#### 4. Linear functions

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Questions?  
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Find the slope of the line  $2y + x = 10$ .

Question

$$2y + x = 10$$

$$2y + x - x = -x + 10$$

$$2y = -x + 10$$

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

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

$$y = mx + b$$

$$\text{Slope} = m = \frac{-1}{2}$$

Answer

#### 4. Linear functions

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Questions?  
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Find the slope of the line  $2y - 8x = 1$ .

Question

$$2y - 8x = 1$$

$$2y - 8x + 8x = 8x + 1$$

$$2y = 8x + 1$$

$$\frac{2y}{2} = \frac{8x}{2} + \frac{1}{2}$$

$$y = 4x + \frac{1}{2}$$

$$y = mx + b$$

$$\text{Slope} = m = 4$$

Answer

#### 4. Linear functions

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Find the slope of the line  $3y + 4x = 1$ .

Question

$$3y + 4x = 1$$

$$3y + 4x - 4x = -4x + 1$$

$$3y = -4x + 1$$

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

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

$$y = mx + b$$

$$\text{Slope} = m = \frac{-4}{3}$$

Answer

#### 4. Linear functions

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Questions?  
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Ask Question 

Find the slope of the line  $5y + 7x = 3$ .

Question

$$5y + 7x = 3$$

$$5y + 7x - 7x = -7x + 3$$

$$5y = -7x + 3$$

$$\frac{5y}{5} = \frac{-7x}{5} + \frac{3}{5}$$

$$y = \left(\frac{-7}{5}\right)x + \frac{3}{5}$$

$$y = mx + b$$

$$\text{Slope} = m = \frac{-7}{5}$$

Answer

#### 4. Linear functions

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Questions?  
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Ask Question 

Question  
Find the slope of the line  $11y - 17x = 2$ .

$$11y - 17x = 2$$

$$11y - 17x + 17x = 17x + 2$$

$$11y = 17x + 2$$

$$\frac{11y}{11} = \frac{17x}{11} + \frac{2}{11}$$

$$y = \left(\frac{17}{11}\right)x + \frac{2}{11}$$

$$y = mx + b$$

$$\text{Slope} = m = \frac{17}{11}$$

Answer

#### 4. Linear functions

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