



Simplify the expression.  $2n - 3(n - 4m) + 5m$

- A.  $-7m - n$
- B.  $m - n$
- C.  $9m - n$
- D.  $17m - n$

What is the slope of the line defined by the following equation?

$$2x - 3y = 4$$

- A.  $-\frac{4}{3}$
- B.  $-\frac{2}{3}$
- C.  $\frac{2}{3}$
- D.  $2$

Warm-up

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Simplify the expression.

$$2n - 3(n - 4m) + 5m$$

A.  $-7m - n$

B.  $m - n$

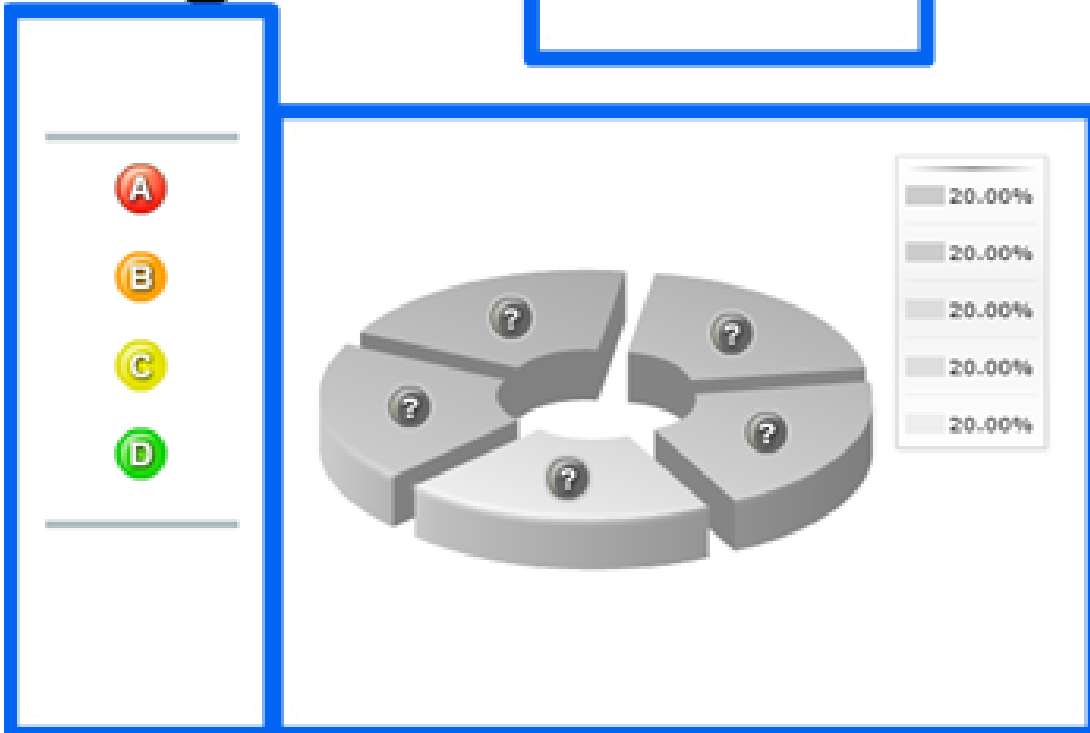
C.  $9m - n$

D.  $17m - n$

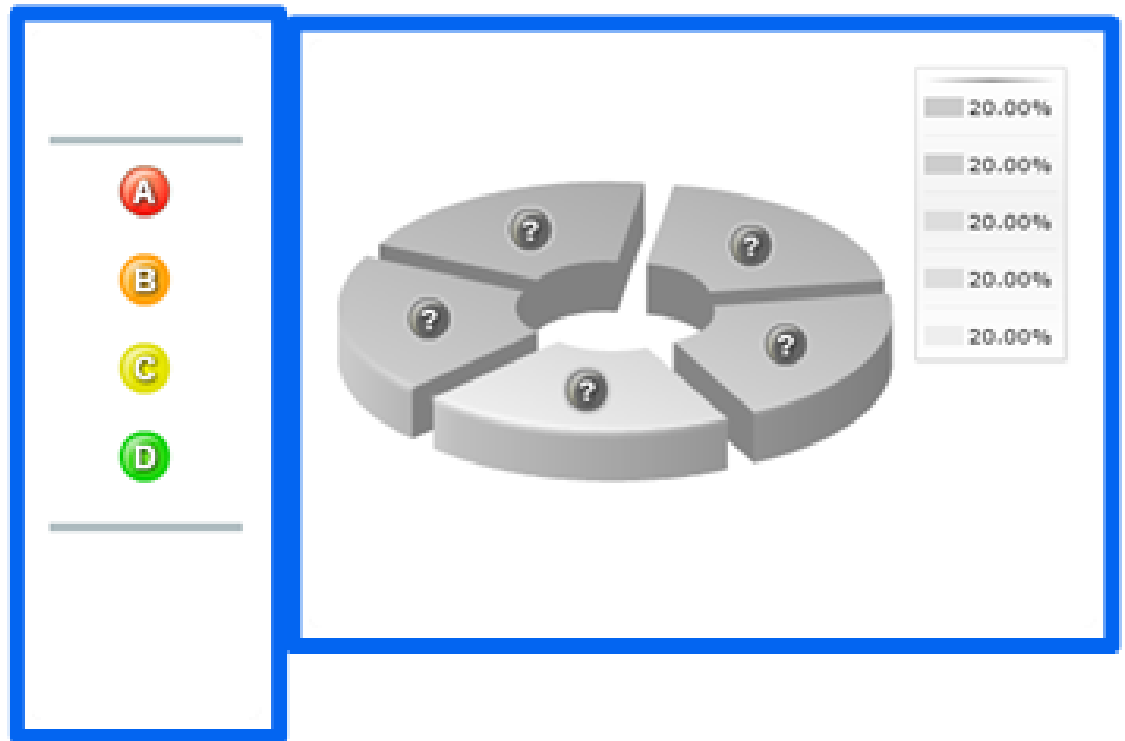
$$2n - 3n + 12m + 5m$$

$$-n + 17m$$

$$17m - n$$



# Warm-up



A

B

C

D

What is the slope of the line defined by the following equation?

$$2x - 3y = 4$$

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

B.  $-\frac{2}{3}$

C.  $\frac{2}{3}$

D. 2

$$2x - 3y = 4$$

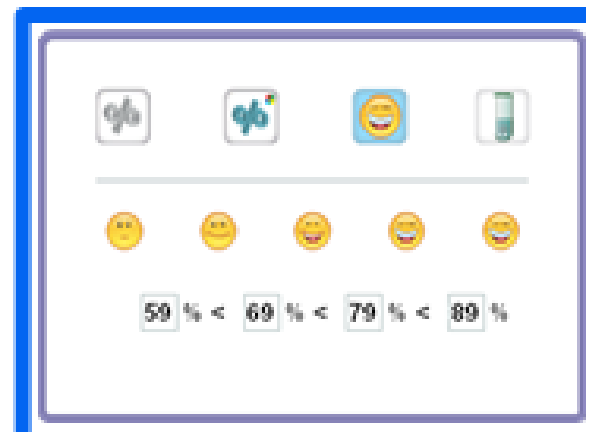
*Handwritten red work:*  $2x - 3y = 4$   
 $-2x$  (written below  $2x$ )  
 $-2x$  (written below  $= 4$ )

$$-3y = -2x + 4$$

*Handwritten red work:*  $-3y = -2x + 4$

$$y = \frac{2}{3}x + \frac{4}{3}$$

*Handwritten red work:*  $y = \frac{2}{3}x + \frac{4}{3}$   
A red arrow points from the  $\frac{2}{3}$  in the equation to option C.



# What is a monomial?

- a number/constant
- a variable
- a product of a number and one or more variables
- a monomial has NO addition or subtraction
- there cannot be a fraction with a variable in the denominator

# Is the expression a monomial?

Expression	Monomial?	Reason
$17 - x$	no	subtraction
$8f^2g$	yes	
$\frac{3}{4}$	yes	
$xy$	yes	
$23abcd^2$	yes	
$\frac{xyz^2}{2}$	yes	
$\frac{mp}{n}$	no	dividing by a variable