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

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

A. $-7m - n$

B. $m - n$

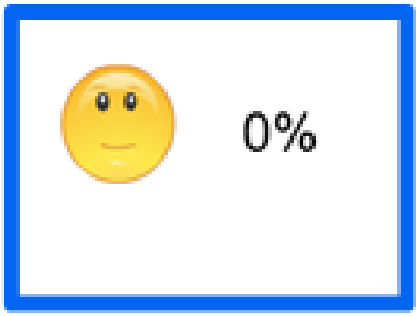
C. $9m - n$

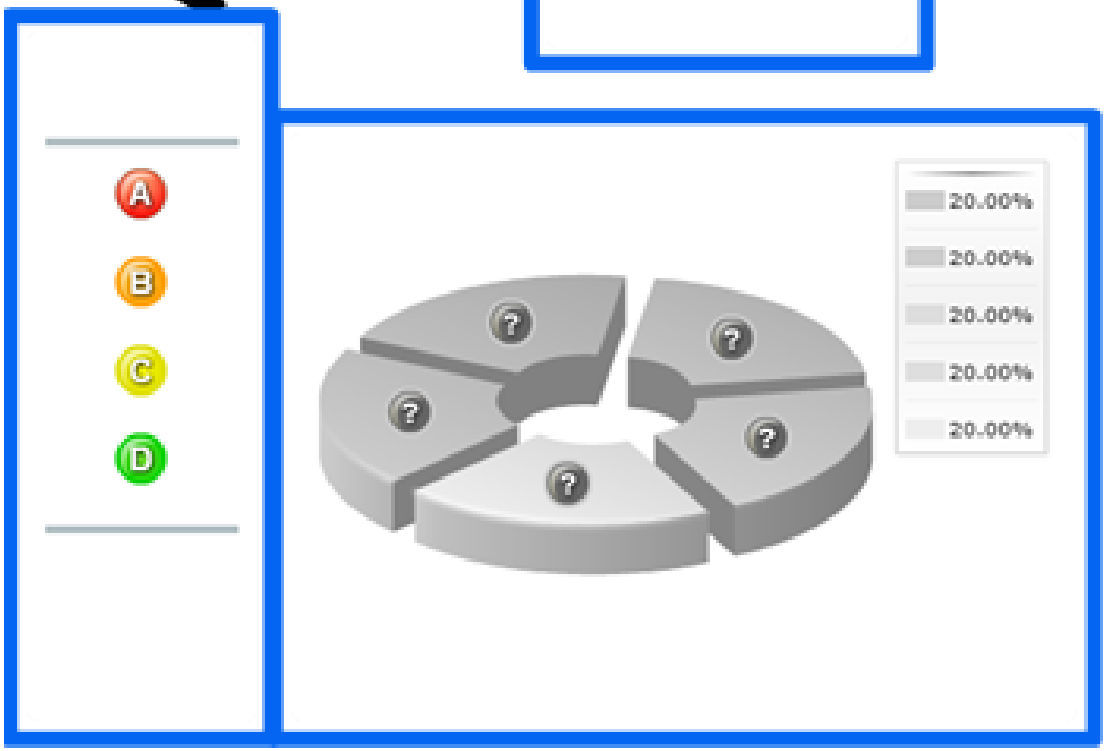
D. $17m - n$

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

$-n + 17m$

$17m - n$





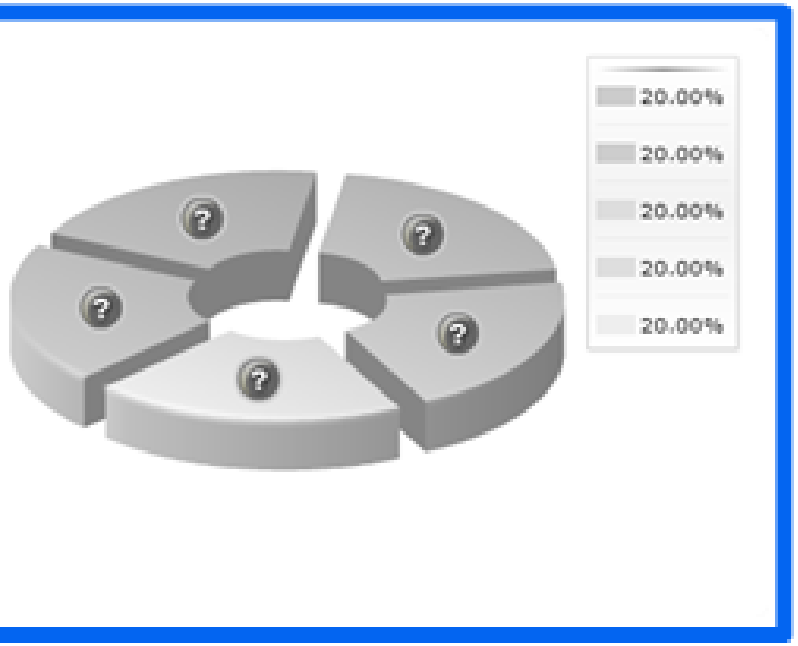
Warm - up

A

B

C

D



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

$2x - 3y = 4$

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

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

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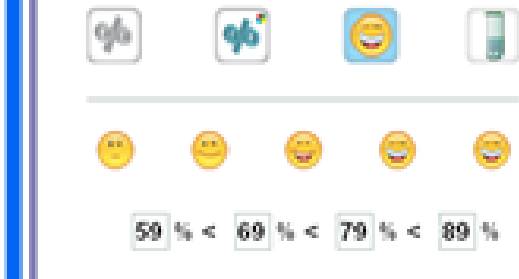
D. 2

$-2x - 3y = 4$

$-2x \quad -2x$

$-3y = -2x + 4$

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



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