Name _____

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1 What line equation would have a slope that is PERPENDICULAR to the slope of this line equation?

$$15x + 3y = 15$$

A	B	C	D
$y = 5x$	$y = -\dfrac{1}{5}x$	$y = -\dfrac{5}{2}x$	$y = \dfrac{1}{5}x$

2 What line equation would have a slope that is PERPENDICULAR to the slope of this line equation?

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

A	B
$y = \frac{1}{2}x$	$y = -1x$
C	
$y = 1x$	

3 What line equation would have a slope that is PERPENDICULAR to the slope of this line equation?

$$-2x + 1y = 3$$

A	B
$y = -2x$	$y = \frac{2}{2}x$
C	D
$y = -\frac{1}{2}x$	$y = \frac{1}{2}x$

4 What line equation would have a slope that is PERPENDICULAR to the slope of this line equation?

$$0.67x + 2y = 4.67$$

A	B
$y = -3x$	$y = \frac{3}{2}x$
C	D
$y = 3x$	$y = \frac{1}{3}x$

5 What line equation would have a slope that is PERPENDICULAR to the slope of this line equation?

$$-10x + 2y = 6$$

A	B
$y = -\frac{1}{5}x$	$y = \frac{1}{5}x$
C	D
$y = \frac{5}{2}x$	$y = -5x$

6 What line equation would have a slope that is PERPENDICULAR to the slope of this line equation?

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

A	B
$y = -\frac{2}{2}x$	$y = 2x$
C	D
$y = -\frac{1}{2}x$	$y = -2x$

7 What line equation would have a slope that is PERPENDICULAR to the slope of this line equation?

$$6x + 2y = 6$$

A	B	C	D
$y = -\dfrac{3}{2}x$	$y = 3x$	$y = -\dfrac{1}{3}x$	$y = \dfrac{1}{3}x$

8 What line equation would have a slope that is PERPENDICULAR to the slope of this line equation?

$$-0.75x + 3y = 3$$

A	B
$y = -4x$	$y = 4x$
C	D
$y = -\frac{4}{2}x$	$y = -\frac{1}{4}x$