Name

Slope - Find Perpendicular - Slope Zero Intercept Form to Slope Y Intercept Form

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

$$y = 3x$$

A $y = \frac{3}{2}x + 3.33$

B $y = -3x + 3.33$

C $y = \frac{1}{3}x + 3.33$

D $y = -\frac{1}{3}x + 3.33$

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

$$y = 4x$$

A $y = -4x + 3.25$

B $y = -\frac{1}{4}x + 3.25$

C $y = \frac{4}{2}x + 3.25$

D $y = \frac{1}{4}x + 3.25$

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

$$y = 1x$$

A $y = 1x + 2$

B $y = -1x + 2$

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

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

$$y = \frac{1}{5}x$$

A $y = -5x + 5$

B $y = -\frac{1}{5}x + 5$

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

D $y = 5x + 5$

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

$$y = -1x$$

A $y = -1x + 1$

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

C $y = 1x + 1$

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

$$y = \frac{1}{3}x$$

A $y = 3x + 3$

B $y = -3x + 3$

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

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

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

$$y = -\frac{1}{5}x$$

A $y = -5x + 2$

B $y = 5x + 2$

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

D $y = \frac{1}{5}x + 2$

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

$$y = -2x$$

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

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

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

D $y = 2x + 1$