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Math worksheet on *'Slope - Find Perpendicular - Slope Zero Intercept Form to Slope Y Intercept Form (Level 1)'*. Part of a broader unit on *'Slopes and Perpendiculars - Intro'*

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app.mobius.academy/math/units/line_equations_and_perpendiculars_intro/

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

$$y = 1x$$

a $y = 1x + 1$

b $y = -1x + 1$

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

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

$$y = 4x$$

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

b $y = -4x + 3.25$

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

b $y = 1x + 1$

c $y = -1x + 1$

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

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

a $y = -4x + 4$

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

c $y = -\frac{4}{2}x + 4$

d $y = 4x + 4$

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

$$y = -4x$$

a $y = -\frac{4}{2}x + 2$

b $y = 4x + 2$

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

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

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

$$y = 2x$$

a $y = \frac{2}{2}x + 1.5$

b $y = -\frac{1}{2}x + 1.5$

c $y = -2x + 1.5$

d $y = \frac{1}{2}x + 1.5$

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

$$y = 5x$$

a $y = -5x + 0.2$

b $y = -\frac{1}{5}x + 0.2$

c $y = \frac{1}{5}x + 0.2$

d $y = \frac{5}{2}x + 0.2$