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Math worksheet on *'Slope - Find Perpendicular - Fraction Slope 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 this slope?

$$m = -4$$

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

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

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

d $y = 4x + 2$

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

$$m = 1$$

a $y = \frac{1}{2}x + 3$

b $y = 1x + 3$

c $y = -1x + 3$

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

$$m = \frac{1}{3}$$

a $y = 3x + 3$

b $y = -3x + 3$

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

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

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

$$m = -\frac{1}{4}$$

a $y = -4x + 2$

b $y = 4x + 2$

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

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

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

$$m = 4$$

a $y = \frac{4}{2}x + 2.25$

b $y = -4x + 2.25$

c $y = \frac{1}{4}x + 2.25$

d $y = -\frac{1}{4}x + 2.25$

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

$$m = 3$$

a $y = -\frac{1}{3}x + 0.33$

b $y = -3x + 0.33$

c $y = \frac{3}{2}x + 0.33$

d $y = \frac{1}{3}x + 0.33$

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

$$m = -\frac{1}{3}$$

a $y = -3x + 3$

b $y = 3x + 3$

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

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