



Math worksheet on 'Slope - Find Perpendicular - Fraction Slope to Standard Form (Level 1)'. Part of a broader unit on 'Slopes and Perpendiculars - Practice'

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1 What line equation in standard form would have a slope that is PERPENDICULAR to this slope?

$$m = -3$$

- a $0.33x + 1y = 2$
- b $-3x + 1y = 2$
- c $-1x + 3y = 6$
- d $-0.17x + 1y = 2$

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

$$m = -\frac{1}{5}$$

- | | |
|--------------------|--------------------|
| a $-7.5x + 3y = 3$ | b $10x + 2y = 2$ |
| c $-15x + 3y = 3$ | d $-0.4x + 2y = 2$ |

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

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

- a $-0.25x + 1y = 1$
- b $-4x + 1y = 1$
- c $12x + 3y = 3$
- d $-4x + 2y = 2$

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

$$m = -1$$

- | | |
|--------------------|------------------|
| a $-1x + 1y = 3$ | b $1x + 1y = 3$ |
| c $-1.5x + 3y = 9$ | d $-3x + 3y = 9$ |

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

$$m = 1$$

- | | |
|-------------------|------------------|
| a $2x + 2y = 2$ | b $-2x + 2y = 2$ |
| c $0.5x + 1y = 1$ | |

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

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

- a $-0.33x + 1y = 2$
- b $-6x + 2y = 4$
- c $-1.5x + 1y = 2$
- d $6x + 2y = 4$

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

$$m = 3$$

- a $0.67x + 2y = 4.67$
- b $-1x + 3y = 7$
- c $3x + 1y = 2.33$
- d $0.33x + 2y = 4.67$