



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

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

$$1x + 1y = 4$$

- | | |
|-------------------------|-------------------------|
| a $-1x + 1y = 1$ | b $3x + 3y = 3$ |
| c $-2x + 2y = 2$ | d $-1x + 2y = 2$ |

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

$$0.4x + 2y = 2.4$$

- | | |
|---------------------------|---------------------------|
| a $15x + 3y = 6$ | b $-10x + 2y = 4$ |
| c $-2.5x + 1y = 2$ | d $-0.2x + 1y = 2$ |

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

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

- | | |
|------------------------|-------------------------|
| a $6x + 3y = 6$ | b $1x + 2y = 4$ |
| c $2x + 2y = 4$ | d $-2x + 1y = 2$ |

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

$$2x + 1y = 2$$

- | | |
|--------------------------|---------------------------|
| a $0.5x + 1y = 2$ | b $-0.5x + 2y = 4$ |
| c $-6x + 3y = 6$ | d $-1x + 2y = 4$ |

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

$$3x + 1y = 3$$

- | | |
|----------------------------|-------------------------|
| a $0.67x + 2y = 2$ | b $-9x + 3y = 3$ |
| c $-0.33x + 2y = 2$ | d $-1x + 3y = 3$ |

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

$$10x + 2y = 10$$

- | | |
|---------------------------|---------------------------|
| a $-0.4x + 2y = 2$ | b $-0.1x + 1y = 1$ |
| c $0.6x + 3y = 3$ | d $-5x + 1y = 1$ |

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

$$1.5x + 3y = 10.5$$

- | | |
|---------------------------|-------------------------|
| a $-1.5x + 3y = 3$ | b $-2x + 2y = 2$ |
| c $-6x + 3y = 3$ | d $6x + 3y = 3$ |