



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

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1 What line equation would be equivalent to this standard form line equation?

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

- |   |                        |   |               |
|---|------------------------|---|---------------|
| a | $y = \frac{1}{2}x + 1$ | b | $y = -2x + 1$ |
| c | $y = \frac{2}{2}x + 1$ | d | $y = 2x + 1$  |

2 What line equation would be equivalent to this standard form line equation?

$$3x + 1y = 3$$

- |   |                         |   |               |
|---|-------------------------|---|---------------|
| a | $y = -\frac{3}{2}x + 3$ | b | $y = -3x + 3$ |
| c | $y = -\frac{1}{3}x + 3$ | d | $y = 3x + 3$  |

3 What line equation would be equivalent to this standard form line equation?

$$4x + 1y = 4$$

- |   |                         |   |               |
|---|-------------------------|---|---------------|
| a | $y = -\frac{1}{4}x + 4$ | b | $y = -4x + 4$ |
| c | $y = -\frac{4}{2}x + 4$ | d | $y = 4x + 4$  |

4 What line equation would be equivalent to this standard form line equation?

$$0.2x + 1y = 3.2$$

- |   |                          |   |                           |
|---|--------------------------|---|---------------------------|
| a | $y = \frac{5}{2}x + 3.2$ | b | $y = -\frac{1}{5}x + 3.2$ |
| c | $y = -5x + 3.2$          | d | $y = \frac{1}{5}x + 3.2$  |

5 What line equation would be equivalent to this standard form line equation?

$$0.25x + 1y = 0.25$$

- |   |                           |   |                            |
|---|---------------------------|---|----------------------------|
| a | $y = \frac{1}{4}x + 0.25$ | b | $y = -\frac{1}{4}x + 0.25$ |
| c | $y = \frac{4}{2}x + 0.25$ | d | $y = -4x + 0.25$           |

6 What line equation would be equivalent to this standard form line equation?

$$0.33x + 1y = 1.33$$

- |   |                           |   |                            |
|---|---------------------------|---|----------------------------|
| a | $y = \frac{1}{3}x + 1.33$ | b | $y = -3x + 1.33$           |
| c | $y = \frac{3}{2}x + 1.33$ | d | $y = -\frac{1}{3}x + 1.33$ |

7 What line equation would be equivalent to this standard form line equation?

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

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