LEARNING PAPER EVIDENCE

FINDING THE SLOPE AND Y-INTERCEPT OF A LINE GIVEN ITS EQUATION IN THE FORM Y = MX + B

Find the slope and y-intercept of the line: $y = \frac{2}{5}x - \frac{1}{2}$

slope: ☐

y-intercept: ☐

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(1) $y = \frac{2}{5}x - \frac{1}{2}$ — Y-INTERCEPT: $b = -\frac{1}{2}$

SLOPE: $m = \frac{2}{5}$

Find the slope and y-intercept of the line: $y = -x + 2$

y-intercept: ☐

slope: ☐

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(2) $y = (-1)x + (2)$ — Y-INTERCEPT: $b = 2$

SLOPE: $m = -1$

Find the slope and y-intercept of the line: $y = 8 - \frac{1}{3}x$

slope: ☐

y-intercept: ☐

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(3) $y = 8 + (-\frac{1}{3}x) = (-\frac{1}{3})x + (8)$

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

Y-INTERCEPT: $b = 8$

Find the slope and y-intercept of the line: y = -4 + x

slope: ☐

y-intercept: ☐

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(4) $y = (1)x + (-4)$

SLOPE: $m = 1$

Y-INTERCEPT: $b = -4$

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