

Grade 10 Unit 6 Skill 4b: Linear Equation in Point Slope Form

Point: Slope: $y - y_1 = m(x - x_1)$	Point: Slope: $y - y_1 = m(x - x_1)$
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Which two of the four lines are:

Parallel?

<p>(a)</p> $y = 3x - 1$ $y = 2x - 7$ $y = 2x - 1$ $y = x - 8$	<p>(b)</p> $y = \frac{1}{2}x - 3$ $0 = x - 2y - 5$ $0 = 3x - 2y + 4$ $y = -2x - 3$
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Perpendicular?

<p>(a)</p> $y = 3x - 4$ $y = -3x - 5$ $y = -\frac{1}{3}x + 2$ $y = \frac{1}{3}x + 5$	<p>(b)</p> $y = -\frac{3}{4}x + 5$ $y = \frac{4}{3}x + 7$ $0 = 4x - 3y - 6$ $0 = 4y + 3x - 5$
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