

## Equation of a Line | Point-slope Form

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Write the equation of the line whose slope and the point through which it passes are given.

1)  $m = -8$  and  $(3, -6)$

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2)  $m = \frac{4}{9}$  and  $(4, 2)$

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3)  $m = -2$  and  $(-7, 8)$

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4)  $m = -\frac{3}{2}$  and  $(6, 1)$

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5)  $m = 7$  and  $(6, -3)$

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6)  $m = -10$  and  $(0, 9)$

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7)  $m = \frac{1}{6}$  and  $(-5, 7)$

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8)  $m = -4$  and  $(-2, -9)$

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9) Find the equation of the line that passes through the point  $(10, 0)$  and whose slope is  $\frac{2}{7}$ .

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