

Writing Linear Equations Using a Given Point and Slope
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Write the linear equation of the line passing through the given point and having the given slope. Write answers in slope-intercept form. Answers

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| 1. $(-1, 2); m = -1$ | 1. $y = -x + 1$ |
| 2. $(-2, -1); m = 4$ | 2. $y = 4x + 7$ |
| 3. $(2, 3); m = 0$ | 3. $y = 3$ |
| 4. $(0, -1); m = \frac{2}{3}$ | 4. $y = \frac{2}{3}x - 1$ |
| 5. $(1, -3); m = -\frac{3}{2}$ | 5. $y = -\frac{3}{2}x + \frac{9}{2}$ |
| 6. $(-2, 1); m = -2$ | 6. $y = -2x - 3$ |
| 7. $(-3, 0); m = \frac{1}{4}$ | 7. $y = \frac{1}{4}x + \frac{3}{4}$ |
| 8. $(2, 1); m = 1$ | 8. $y = x - 1$ |
| 9. $(-1, 2); m = \text{undefined}$ | 9. $x = -1$ |
| 10. $(0, 0); m = 3$ | 10. $y = 3x$ |
| 11. $(-1, -1); m = 3$ | 11. $y = 3x + 2$ |
| 12. $(-2, 0); m = \frac{1}{5}$ | 12. $y = \frac{1}{5}x + \frac{2}{5}$ |
| 13. $(2, 2); m = -\frac{1}{5}$ | 13. $y = -\frac{1}{5}x + \frac{12}{5}$ |
| 14. $(-3, 2); m = -\frac{5}{3}$ | 14. $y = -\frac{5}{3}x - 3$ |
| 15. $(0, -5); m = 2$ | 15. $y = 2x - 5$ |

Please visit the Learning Lab for further assistance.