

## Writing Linear Equations given 2 Points

Unit 3: Introduction to Functions

Write the slope-intercept form of the equation of the line through the given points:

1. <i>through: <math>(-1, 2)</math> and <math>(0, -1)</math></i>	2. <i>through: <math>(0, 2)</math> and <math>(-3, -2)</math></i>
3. <i>through: <math>(0, 0)</math> and <math>(-3, 3)</math></i>	4. <i>through: <math>(2, -2)</math> and <math>(-4, 1)</math></i>
5. <i>through: <math>(0, 1)</math> and <math>(1, -4)</math></i>	6. <i>through: <math>(-1, 4)</math> and <math>(2, 1)</math></i>
7. <i>through: <math>(1, -3)</math> and <math>(0, -1)</math></i>	8. <i>through: <math>(4, 1)</math> and <math>(2, 3)</math></i>
9. <i>through: <math>(0, 3)</math> and <math>(4, 3)</math></i>	10. <i>through: <math>(3, -4)</math> and <math>(-1, -1)</math></i>

Write the point-slope form of the equation of the line through the given points:

11. <i>through: <math>(-4, -2)</math> and <math>(-4, -4)</math></i>	12. <i>through: <math>(1, 1)</math> and <math>(1, -2)</math></i>
13. <i>through: <math>(5, 0)</math> and <math>(0, 1)</math></i>	14. <i>through: <math>(-5, 2)</math> and <math>(-4, 0)</math></i>
15. <i>through: <math>(0, -4)</math> and <math>(4, 4)</math></i>	16. <i>through: <math>(-2, -1)</math> and <math>(5, 3)</math></i>
17. <i>through: <math>(3, 5)</math> and <math>(5, 2)</math></i>	18. <i>through: <math>(0, 4)</math> and <math>(-1, -3)</math></i>
19. <i>through: <math>(1, 4)</math> and <math>(0, 0)</math></i>	20. <i>through: <math>(-3, -5)</math> and <math>(2, -4)</math></i>