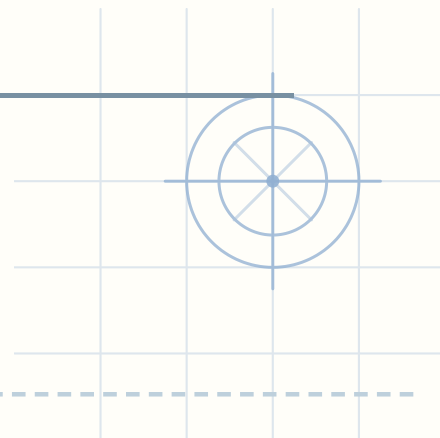


Write the equation of a line — From a slope and a point

Name: _____

Date: _____

Write the equation of each line from its slope and point.



1 with slope 3 through (2, 15) $y = \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

2 with slope 3 through (-3, -14) $y = \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

3 with slope -1 through (3, 1) $y = \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

4 with slope 1 through (-2, 7) $y = \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

5 with slope -3 through (-2, 5) $y = \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

6 with slope 4 through (-1, 3) $y = \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

7 with slope -1 through (-1, 5) $y = \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

8 with slope -3 through (3, -3) $y = \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

9 with slope 2 through (3, 10) $y = \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

10 with slope 2 through (-1, 4) $y = \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$



Write the equation of a line · From a slope and a point — Answer key

1. with slope 3 through (2, 15) $\rightarrow y = 3x + 9$

2. with slope 3 through (-3, -14) $\rightarrow y = 3x - 5$

3. with slope -1 through (3, 1) $\rightarrow y = -x + 4$

4. with slope 1 through (-2, 7) $\rightarrow y = x + 9$

5. with slope -3 through (-2, 5) $\rightarrow y = -3x - 1$

6. with slope 4 through (-1, 3) $\rightarrow y = 4x + 7$

7. with slope -1 through (-1, 5) $\rightarrow y = -x + 4$

8. with slope -3 through (3, -3) $\rightarrow y = -3x + 6$

9. with slope 2 through (3, 10) $\rightarrow y = 2x + 4$

10. with slope 2 through (-1, 4) $\rightarrow y = 2x + 6$

