

Finding Equations of Lines

Find the equation of the line given the following information.

Slope and y-intercept:

1. $m = 3$, point $(0, 7)$

2. $m = \frac{2}{5}$, point $(0, 1)$

3. $m = \frac{1}{3}$, point $(0, -3)$

4. $m = -\frac{4}{3}$, point $(0, -12)$

5. $m = 2.1$, point $(0, 3.5)$

6. $m = -5.9$, point $(0, -25.9)$

Slope and point – non y-intercept:

7. $m = -4$, point $(1, 3)$

8. $m = -\frac{3}{4}$, point $(-4, -1)$

9. $m = \frac{2}{9}$, point $(5, 2)$

10. $m = \frac{1}{6}$, point $(8, -3)$

11. $m = 7$, point $(2, 11)$

12. $m = \frac{1}{5}$, point $(3, 4)$

Two points:

13. $(1, 5)$ and $(-2, -4)$

14. $(-3, -1)$ and $(0, -2)$

15. $(11, 14)$ and $(14, 12)$

16. $(2, 7)$ and $(3, 10)$

17. $(-5, 4)$ and $(-6, 0)$

18. $(2, 5)$ and $(6, 6)$