

Unit 4 - Day 8 homework

Pg. 185 #9-11, 14, 15, 17, 19

In Exercises 3–10, write an equation in point-slope form of the line that passes through the given point and has the given slope. (See Example 1.)

3. $(2, 1); m = 2$

4. $(3, 5); m = -1$

5. $(7, -4); m = -6$

6. $(-8, -2); m = 5$

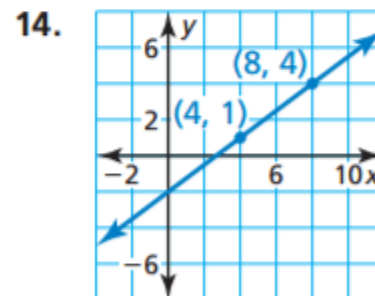
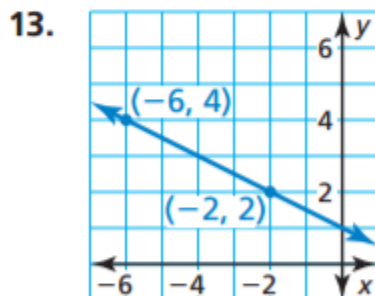
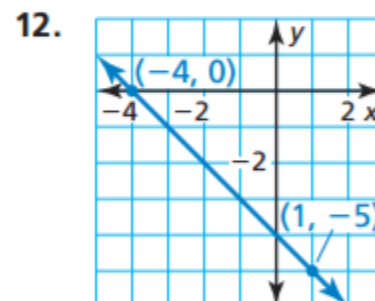
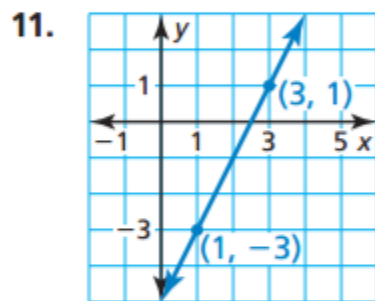
7. $(9, 0); m = -3$

8. $(0, 2); m = 4$

9. $(-6, 6); m = \frac{3}{2}$

10. $(5, -12); m = -\frac{2}{5}$

In Exercises 11–14, write an equation in slope-intercept form of the line shown. (See Example 2.)



In Exercises 15–20, write an equation in slope-intercept form of the line that passes through the given points.

15. $(7, 2), (2, 12)$

16. $(6, -2), (12, 1)$

17. $(6, -1), (3, -7)$

18. $(-2, 5), (-4, -5)$

19. $(1, -9), (-3, -9)$

20. $(-5, 19), (5, 13)$