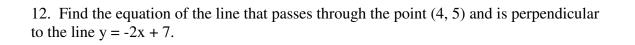
Algebra 1 Final Exam Review #3

Find the slope of the line passing through the given points.

- 1. (2, 5) and (1, -3)
- 2. (1, 9) and (-7, 9)
- 3. (4, 8) and (4, -2)
- 4. What is the slope and the y-intercept of the line y = 3x 2?
- 5. What is the slope and the y-intercept of the line 3x + 2y = 12?
- 6. Write the equation of the line with slope 2 and y-intercept of (0, -3).
- 7. Write the equation of the line with slope -6 and y-intercept of (0,5).
- 8. Find the equation of the line with slope of $\frac{3}{5}$ that passes through the point (10, 4).
- 9. Find the equation of the line with slope of $\frac{-1}{2}$ that passes through the point (-2, 7).
- 10. Find the equation of the line that passes through the point (1, -5) and is parallel to the line y = 2x + 3.
- 11. Find the equation of the line that passes through the point (-4, 13) and is parallel to the line y = -3x + 7.



- 13. Find the equation of the line that passes through the point (4, 6) and is perpendicular to the line y = -x 5.
- 14. Find the equation of the line that passes through the points (3, 0) and (6, 2).

15. Find the equation of the line that passes through the points (3, 5) and (6, 6).

16. Where do the lines y = 3x - 2 and y = -4x + 12 intersect?

17. Where do the lines y = 4x - 1 and y = x - 4 intersect?