

hw-11-Lines

Due: 12/13/2015 at 06:00am EST.

Students will be able to:

- Determine Slope of a line between two points
- Determine Equation of a Line
- Determine Equation of a Parallel or Perpendicular Line

Functions and symbols that WeBWorK understands.

Links to some useful WeBWorK pages for students

1. (1 pt) Find the slope of the line between the points (5,8) and (9,12).

slope = _____ (as fraction a/b)

2. (1 pt) Find the slope of the line between the points (2,9) and (9,6).

slope = _____ (as fraction a/b)

3. (1 pt) Find the equation of the line between the points (8,-1) and (14,19).

y = _____

4. (1 pt) For the point (3,15) and the equation $y = 3x + 1$, find the equation of the parallel line.

y = _____

5. (1 pt) Find the slope of the line between the points (2,7) and (6,15).

slope = _____ (as fraction a/b)

6. (1 pt) Find the equation of the line between the points (7,13) and (4,10).

y = _____

7. (1 pt) For the point (10,12) and the equation $y = 3x + 1$, find the equation of the parallel line.

y = _____

8. (1 pt) Find the equation of the line between the points (4,6) and (17,14).

y = _____

9. (1 pt) A line through (6, -3) with a slope of -2 has a y-intercept at _____

10. (1 pt) An equation of a line through (2, 4) which is perpendicular to the line $y = 2x + 1$ has slope:_____and y intercept at:_____

11. (1 pt) Given slope = 8 and the point (-5,10). The equation of the line $y = mx + b$ has y-intercept

b = ___ and equation

y = _____