

Practice 10.4

Name(s) _____

Find the slope of the line that passes through the points.

1) $(4, 6)$ and $(9, 8)$

2) $(-2, -5)$ and $(2, -4)$

Find the slope of the line.

3) $x + y = -5$

4) $y = 7x + 8$

5) $y = 6x$

6) $x = -5$

Determine whether the lines are parallel, perpendicular, or neither.

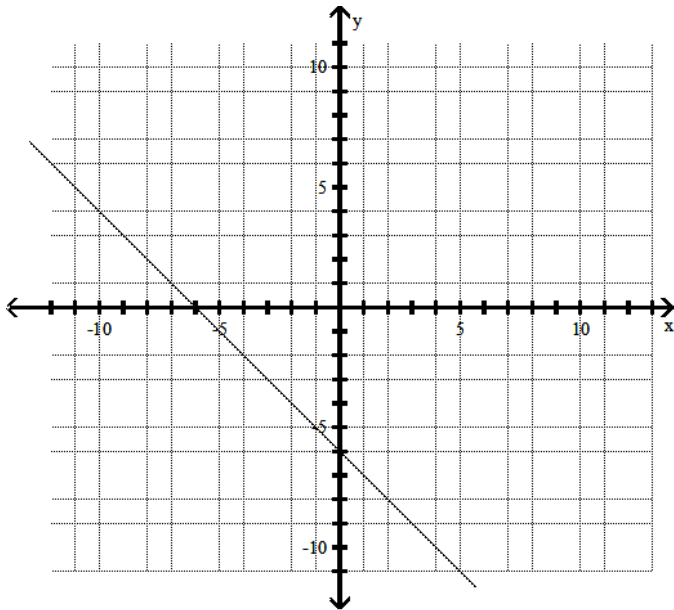
7) $3x - 4y = -18$
 $8x + 6y = -1$

8) $12x + 4y = 16$
 $9x + 3y = 15$

9) $3x - 2y = -16$
 $3x + 4y = 5$

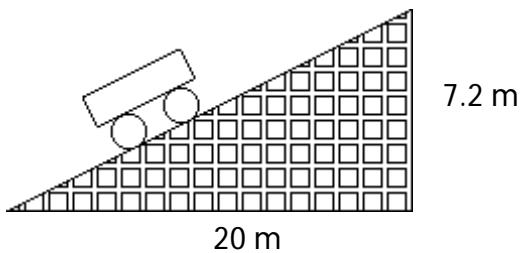
Use two points on the graph to find the slope of the line.

10) _____



Solve.

- 11) A section of roller coaster track has the dimensions shown in the diagram. Find the grade of the track, which is the slope written as a percent.



Answer Key

Testname: M050_10.4WKS

- 1) $\frac{2}{5}$
- 2) $\frac{1}{4}$
- 3) $m = -1$
- 4) $m = 7$
- 5) $m = 6$
- 6) undefined slope
- 7) perpendicular
- 8) parallel
- 9) neither
- 10) -1
- 11) 36%