SATPREP Name_____

Assignment-Coordinate Geometry-2

Date_____

Find the distance between each pair of points.

1) $(-1, 0), (-6, 0)$

2) $(3, 2), (-4, -8)$

Find the slope of the line through each pair of points.

3) $(8, 0), (9, 1)$

4) $(19, -8), (16, 14)$

Find the slope of a line parallel to each given line.

5) $7x - 4y = -8$

6) $x - y = 1$

Find the slope of a line perpendicular to each given line.

7) $x - 4y = 8$

8) $8x + 3y = -9$

Write the slope-intercept form of the equation of the line through the given points.

9) through: $(0, 5)$ and $(-3, 0)$

10) through: $(-1, -5)$ and $(0, -1)$

Write the standard form of the equation of the line through the given points.

11) through: $(-5, 0)$ and $(0, 3)$

12) through: $(4, 5)$ and $(3, -3)$

13) through: $(3, 3)$ and $(-3, 5)$

14) through: $(0, 2)$ and $(-3, 3)$

Answers to Assignment-Coordinate Geometry-2

1) 5

2) $\sqrt{149}$

3) 1

4) $-\dfrac{22}{3}$

5) $\dfrac{7}{4}$

6) 1

7) -4

8) $\dfrac{3}{8}$

9) $y = \dfrac{5}{3}x + 5$

10) $y = 4x - 1$

11) $3x - 5y = -15$

12) $8x - y = 27$

13) $x + 3y = 12$

14) $x + 3y = 6$