Name: _____

The Distance Formula

Formula Reference

$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

Where **d** is the distance between points (x_1, y_1) and (x_2, y_2).

Directions: Find the distance between the two points. Round the answer to the nearest hundredths decimal place.

1. (-1, 2) and (5, 7)

7. (4, 8) and (6, 4)

2. (0, 0) and (2, 8)

8. (8, 4) and (-3, 3)

3. (6, 3) and (-4, -3)

9. (6, 8) and (-5, 4)

4. (5, 6), and (-9, 1)

10. (9, -2) and (-4, 6)

5. (4, 8) and (-5, -6)

11. (-4, 5) and (4, 8)

6. (4, -1) and (4, -8)

12. (-2, 14) and (5, 9)

ANSWER KEY

1. (-1, 2) and (5, 7)
7.81

2. (0, 0) and (2, 8)
8.25

3. (6, 3) and (-4, -3)
11.67

4. (5, 6) and (-9, 1)
14.87

5. (4, 8) and (-5, -6)
16.64

6. (4, -1) and (4, -8)
7

7. (4, 8) and (6, 4)
4.47

8. (8, 4) and (-3, 3)
11.05

9. (6, 8) and (-5, 4)
11.70

10. (9, -2) and (-4, 6)
15.26

11. (-4, 5) and (4, 8)
8.54

12. (-2, 14) and (5, 9)
8.60