Distance Formula Name_____

Date_____

Find the distance between each pair of points. Round your answer to the nearest tenth, if necessary.

1) $(-7.2, 5.6)$, $(1.6, -4.6)$

2) $(-3.6, 1.8)$, $(-2.1, 0.1)$

3) $(3.9, 1.6)$, $(-4.7, -6.4)$

4) $(6.3, -2.9)$, $(-5, 0.7)$

5) $(7.7, 6.7)$, $(-5.4, 1.4)$

6) $(0.5, -7.6)$, $(-1.1, -5.4)$

Find the distance between each pair of points.

7) $\left(\frac{3}{2}, 0\right), \left(2\frac{5}{6}, -2\right)$

8) $\left(3\frac{1}{5}, \frac{3}{4}\right), \left(3\frac{1}{2}, 1\frac{1}{2}\right)$

9) $\left(\frac{7}{4}, -\frac{1}{3}\right), \left(-\frac{1}{4}, -3\frac{2}{5}\right)$

10) $\left(2\frac{1}{4}, -\frac{1}{4}\right), \left(-1\frac{1}{2}, -\frac{3}{2}\right)$

11) $\left(\frac{1}{3}, 0\right), \left(1\frac{3}{4}, -2\frac{1}{5}\right)$

12) $\left(-2\frac{2}{3}, 2\right), \left(-6, -\frac{1}{2}\right)$

Answers to

1) 13.5
2) 2.3
3) 11.7
4) 11.9
5) 14.1
6) 2.7
7) $\frac{2\sqrt{13}}{3}$
8) $\frac{3\sqrt{29}}{20}$
9) $\frac{2\sqrt{754}}{15}$
10) $\frac{5\sqrt{10}}{4}$
11) $2\frac{37}{60}$
12) $4\frac{1}{6}$