Math on the Fly!

NAME: _____ DATE: _____

The Distance Formula

In each problem, find the distance between each set of points.

1. (11,5) and (8,1)

2. (7,4) and (9,10)

3. (–2,0) and (3,7)

4. (4,6) and (–1,–6)

5. (12,0) and (2,5)

6. (–1,–3) and (–9,3)

7. (–7,20) and (2,8)

8. (5,9) and (9,11)

9. (–8,–5) and (–9,1)

10. (6,0) and (6,–7)

11. (10,1) and (–14,8)

12. (4,–1) and (–5,–9)

13. (6,–2) and (3,7)

14. (3,15) and (19,3)

SOLUTIONS

1. $D = \sqrt{9 + 16} = \sqrt{25} = 5$

2. $D = \sqrt{4 + 36} = \sqrt{40} \approx 6.32$

3. $D = \sqrt{25 + 49} = \sqrt{74} \approx 8.60$

4. $D = \sqrt{25 + 144} = \sqrt{169} = 13$

5. $D = \sqrt{100 + 25} = \sqrt{125} \approx 11.18$

6. $D = \sqrt{64 + 36} = \sqrt{100} = 10$

7. $D = \sqrt{81 + 144} = \sqrt{225} = 15$

8. $D = \sqrt{16 + 4} = \sqrt{20} \approx 4.47$

9. $D = \sqrt{1 + 36} = \sqrt{37} \approx 6.08$

10. $D = \sqrt{0 + 49} = \sqrt{49} = 7$

11. $D = \sqrt{576 + 49} = \sqrt{625} = 25$

12. $D = \sqrt{81 + 64} = \sqrt{145} \approx 12.04$

13. $D = \sqrt{9 + 81} = \sqrt{90} \approx 9.49$

14. $D = \sqrt{256 + 144} = \sqrt{400} = 20$