

1. Using the following information, classify the quadrilateral:

Slopes of sides =

$$AB: \frac{1}{5} \qquad BC: -3$$

$$CD: \frac{1}{5} \qquad DA: -3$$

Side lengths:

$$\overline{AB}: \sqrt{26} \qquad \overline{BC}: \sqrt{10}$$

$$\overline{CD}: \sqrt{26} \qquad \overline{DA}: \sqrt{10}$$

Classification: _____

2. Explain how you decided your answer in #1.

3. Using the following information, classify the quadrilateral:

Slopes of sides =

$$AB: -\frac{1}{4} \qquad BC: 4$$

$$CD: -\frac{1}{4} \qquad DA: 4$$

Side lengths:

$$\overline{AB}: \sqrt{17} \qquad \overline{BC}: 2\sqrt{17}$$

$$\overline{CD}: \sqrt{17} \qquad \overline{DA}: 2\sqrt{17}$$

Classification: _____

4. Explain how you decided your answer in #3.

5. Using the following information, classify the quadrilateral:

Slopes of sides =

$$AB: \frac{1}{5} \qquad BC: 2$$

$$CD: \frac{1}{4} \qquad DA: 4$$

Side lengths:

$$\overline{AB}: \sqrt{26} \qquad \overline{BC}: 2\sqrt{5}$$

$$\overline{CD}: \sqrt{17} \qquad \overline{DA}: \sqrt{17}$$

Classification: _____

6. Explain how you decided your answer in #5.

7. Using the following information, classify the quadrilateral:

Slopes of sides =

$$AB: \frac{1}{4} \qquad BC: 4$$

$$CD: \frac{1}{4} \qquad DA: 4$$

Side lengths:

$$\overline{AB}: \sqrt{17} \qquad \overline{BC}: \sqrt{17}$$

$$\overline{CD}: \sqrt{17} \qquad \overline{DA}: \sqrt{17}$$

Classification: _____

8. Explain how you decided your answer in #7.

9. Using the following information, classify the quadrilateral:

Slopes of sides =

$$AB: \frac{5}{3} \qquad BC: 0$$

$$CD: \textit{undefined} \qquad DA: \frac{3}{5}$$

Side lengths:

$$\overline{AB}: \sqrt{34} \qquad \overline{BC}: 2$$

$$\overline{CD}: 2 \qquad \overline{DA}: \sqrt{34}$$

Classification: _____

10. Explain how you decided your answer in #9.

11. Using the following information, classify the quadrilateral:

Slopes of sides =

$$AB: 2 \qquad BC: \frac{1}{4}$$

$$CD: 2 \qquad DA: -\frac{1}{3}$$

Side lengths:

$$\overline{AB}: 2\sqrt{5} \qquad \overline{BC}: 2\sqrt{17}$$

$$\overline{CD}: 4\sqrt{5} \qquad \overline{DA}: 2\sqrt{10}$$

Classification: _____

12. Explain how you decided your answer in #11.

13. Using the following information, classify the quadrilateral:

Slopes of sides =

$$AB: 10 \qquad BC: -\frac{1}{10}$$

$$CD: 10 \qquad DA: -\frac{1}{10}$$

Side lengths:

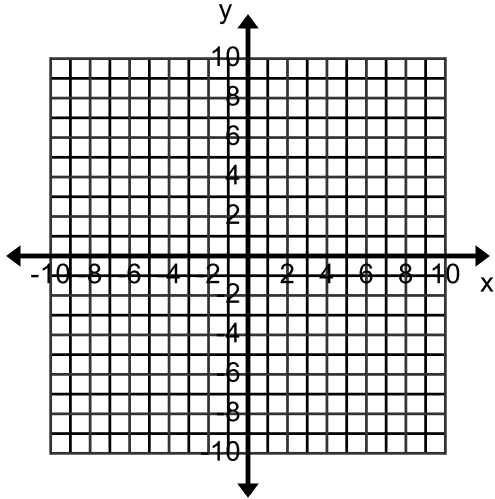
$$\overline{AB}: \sqrt{101} \qquad \overline{BC}: \sqrt{101}$$

$$\overline{CD}: \sqrt{101} \qquad \overline{DA}: \sqrt{101}$$

Classification: _____

14. Explain how you decided your answer in #13.

15. A(4, 4), B(4, -2), C(-4, 3), D(-4, 7)

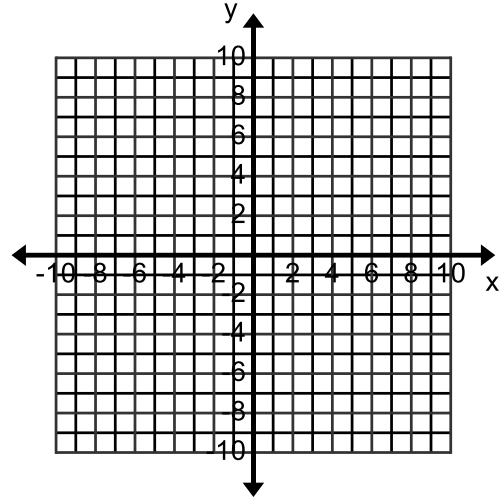


Slopes of sides =

Side lengths =

Classify Quadrilateral: _____
Explain:

16. A(-2, -2), B(1, 2), C(4, -2), D(1, -6)



Slopes of sides =

Side lengths =

Classify Quadrilateral: _____
Explain: