

Geometry Worksheet 10.2 Solutions

1. Square
2. Sometimes true, only when it is also a square
3. Always true, the opposite angles of a parallelogram are \cong
4. Always true, all rhombuses have 4 \cong sides
5. Always true, all angles in a rectangle are right angles and are therefore \cong
6. Sometimes true, only when it is also a square
7. Sometimes true, only when it is also a square
8. Rectangle and Square
9. Square
10. Square and Rhombus
11. Parallelogram, Rectangle, Rhombus and Square
12. Parallelogram, Rectangle, Square and Rhombus
13. Square and Rhombus
14. The diagonals of a rectangle only bisect angles when it is also a square.
Instead, these angles are complementary; $s = 8$
15. $RO = 8.485$
16. $JL = 7\sqrt{3}$
17. Rhombus
18. Rectangle
19. Parallelogram
20. Square
21. Rectangle
22. Square
23. a. On graph b. Rhombus c. $P \approx 32.25 u$
24. I could use the tape measure to measure the diagonals of the quadrilateral. If the diagonals are \cong , then this must be a square since it already has 4 equal sides.