| Name | Key | | Date | |
|------|-----|----------------|------|--|
| | 0 | 7.4 Square CYU | | |

☐ Use when you get it right all by yourself

S Use when you did it all by yourself, but made a silly mistake

#Use when you could do it alone with a little help from teacher or peer

6 Use when you completed the problem in a group

X Use when a question was attempted but wrong (get help)

NUse when a question was not even attempted

| CONCEPTS | BASIC | INTERMEDIATE | ADVANCED |
|--------------------------------|--------|--------------|----------|
| Vocabulary | 1 | | |
| Classifying quadrilaterals | 2 | 3 - 8 | 15 - 22 |
| Applying properties of squares | 9 - 14 | 23, 24 | |
| Distance formula | | | 15 - 16 |
| Perpendicular slopes | | | 15 - 16 |

1. VOCABULARY What is another name for an equilateral rectangle?

Square

2. Classify the quadrilateral. Explain your reasoning.

Square; All sides R= + all +sR=.



Pd

Name each quadrilateral – parallelogram, rectangle, rhombus, or square – for which the statement is always true.

3. It is equiangular.

rectangle, square 5. The diagonals are perpendicular.

4. It is equiangular and equilateral.

6. Opposite sides are congruent.

7. The diagonals bisect each other

parallelogram, rhombus sque 8. The diagonals bisect opposite angles. rectangle

The diagonals of square LMNP intersect at K. Given that LK = 1, find the indicated measure.

9. m∠MKN = 90°

10. m∠LMK =45

11. m LPK = 45°

12. KN =

13. LN = 2

14. MP = 2

| Decide whether parallelogram JKLM is a rectangle, a rho Explain your reasoning. 15. J(-4, 2), K(0, 3), L(1, -1), M(-3, -2) | ombus, or a square. Give all names that apply. 16.J(5, 2), K(2, 5), L(-1, 2), M(2, -1) |
|--|---|
| rectangle, rhombus, square Diagonals R = 4 1 | rectangle, rhombus, square Diagonals R 1 3 = |

Complete each statement with ALWAYS, SOMETIMES, or NEVER. Explain your reasoning.

CYU Reflection: How far can you go: basic, intermediate, or advanced?

Rate your mastery level!

How confident are you with the skills this CYU covered? Circle the score you would give yourself.

