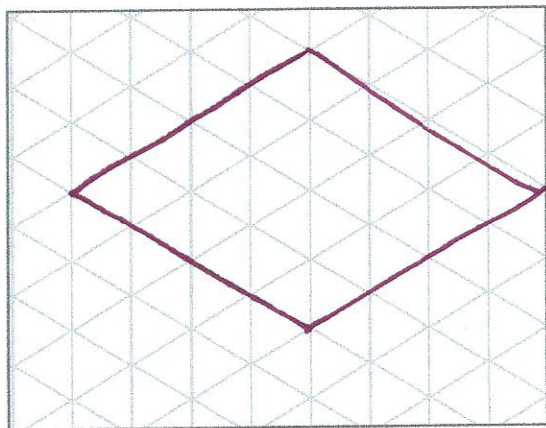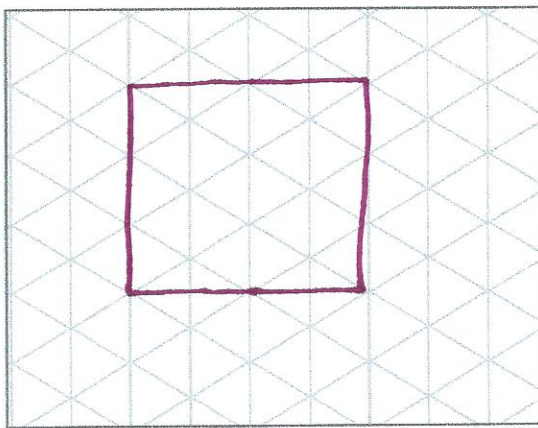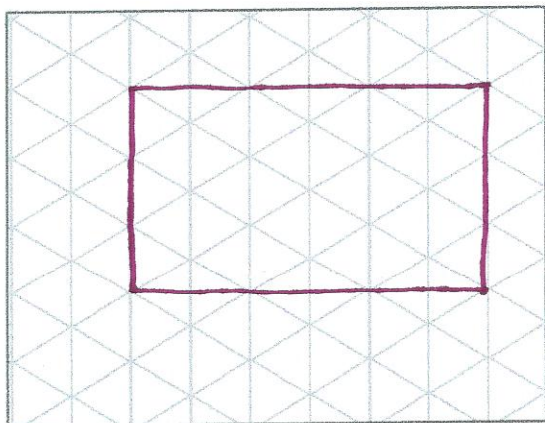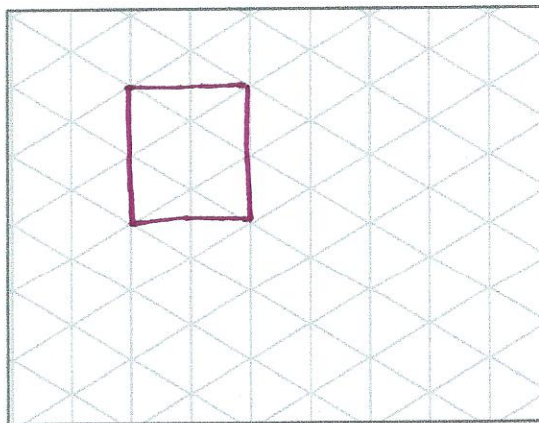Name _____   Date _____

1. Use the grid paper to draw.

    a. A rhombus with no right angles.

    b. A rhombus with 4 right angles.

    c. A rectangle with not all sides equal.

    d. A rectangle with all sides equal.

EUREKA MATH

Lesson 18:   Draw rectangles and rhombuses to clarify their attributes, and define rectangles and rhombuses based on those attributes.

85

© 2014 Common Core, Inc. All rights reserved. commoncore.org

2. A rhombus has a perimeter of 217 cm. What is the length of each side of the rhombus?

All sides are equal on a rhombus.
A rhombus has 4 sides.

Each length is $54\frac{1}{4}$ cm.

$$
\begin{array}{r}
54\frac{1}{4} \\
4\overline{)217} \\
-20 \\
\hline
17 \\
-16 \\
\hline
1
\end{array}
$$

3. List the properties that all rhombuses share.

Rhombuses have 4 equal straight sides. Opposite sides are parallel. The diagonals bisect each other. Angles next to each other add up to 180°.

4. List the properties that all rectangles share.

Rectangles have 4 straight sides. Opposite sides are equal and parallel. The diagonals are equal and bisect each other. Angles are 90°.

EUREKA MATH™ | Lesson 18: Draw rectangles and rhombuses to clarify their attributes, and define rectangles and rhombuses based on those attributes.

© 2014 Common Core, Inc. All rights reserved. commoncore.org

86