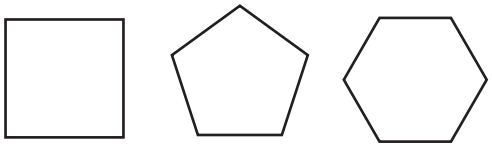
Name _____

Practice
10-8

Problem Solving: Make and Test Generalizations

In **1** through **4**, make a generalization for each set of polygons.

1.



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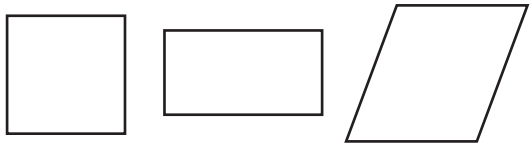
2.



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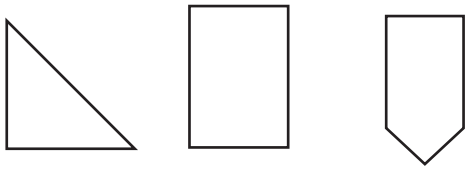
3.

_____

4.



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5. Reasoning Is this generalization true? If not, draw a picture to show why not.
All triangles have at least 2 acute angles.

_____

6. What do all of these numbers have in common?

3, 5, 7, 11, 13

_____

_____

_____

7. Number Sense Compare each quotient to its dividend.

$42 \div 6 = 7$
$8 \div 1 = 8$
$12 \div 12 = 1$

Make a generalization about dividends and quotients for whole numbers.

_____

8. What is the same in all of these polygons?

A They are all rectangles.

B They are all rhombuses.

C They are all quadrilaterals.

D They all have right angles.