**Geoboard/Dot Paper Activity Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Create each of the following on a geoboard, then draw the given shape on dot paper. Number each problem on your dot paper.

1. an isosceles triangle with a base of 4 units

2. a square with area 9 square units (8 is an extra credit challenge problem!)

3. a kite

4. an isosceles trapezoid

5. a convex hexagon and all its diagonals

Find how many diagonals. \_\_\_\_\_\_\_

6. a parallelogram with a height of 2 units

7. a rectangle with perimeter 12 units

Find its area. \_\_\_\_\_\_\_ square units

8. a 3-4-5 right triangle

9. a concaVe and a conveX pentagon (Label each shape with the letter V or X.)

10. all four rectangles with area 6 square units (different sets of dimensions).

Write the perimeter for each rectangle near the shape.

11. all three rectangles with area 4 square units. Write the perimeter for each
 rectangle near the shape.

12. an octagon (Write STOP in the middle.)

**Live and Learn!**