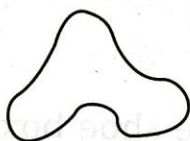# Polygons

Tell if each figure is a polygon. Write *yes* or *no*.

1.   2.   3.   4.   5.

_____   _____   _____   _____   _____
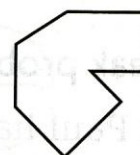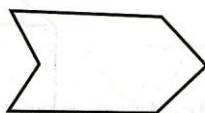
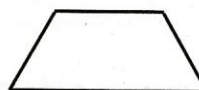Write the number of sides and angles each polygon has.
Then name the polygon.

6.   7.   8.   9.

_____   _____   _____   _____

_____   _____   _____   _____

_____   _____   _____   _____

10.   11.   12.   13.

_____   _____   _____   _____

_____   _____   _____   _____

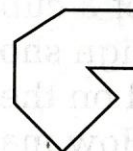_____   _____   _____   _____

Mixed Review

Decide if the number sentence is true or false. Write *true* or *false*.

14. $18 - 6 = 12$ **15.** $14 + 3 = 27$ **16.** $7 \times 6 = 42$

_____   _____   _____

17. $18 \div 6 = 2$ **18.** $5 \times 7 = 12$ **19.** $36 \div 6 = 6$

_____   _____   _____

Write $+$, $-$, $\div$, or $\times$ in the ◯ to make the number sentence true.

20. $11 \bigcirc 8 = 19$ **21.** $24 \bigcirc 8 = 3$ **22.** $9 \bigcirc 9 = 81$

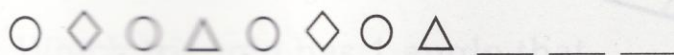**23.** $35 \bigcirc 5 = 30$ **24.** $11 \bigcirc 7 = 77$ **25.** $42 \bigcirc 21 = 21$

Name _____

Problem Solving Strategy

Find a Pattern

Find a pattern to solve.

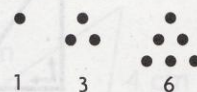**1.** Sarah is gluing shapes around a frame. Draw the next three shapes in her pattern.

○ ◇ ○ △ ○ ◇ ○ △ ___ ___ ___

2. Jeff is decorating the border of a crown. Draw the next three shapes in his pattern.

○ • ● ○ ○ • ● ○ ○ ___ ___ ___

3. There is a pattern in the numbers below. What will the next two numbers be?

3, 14, 25, 36, ____, ____

4. Sketch the next two dot triangles to continue the pattern below.

1   3   6   _____

_____

5. Julio drew this pattern on his paper. What is the next figure in the pattern?

?

_____

6. Maria writes this number pattern:

5, 14, 23, 32, 41

Describe Maria's number pattern.

_____

Mixed Review

Write the rule and the next number in each pattern.

7. 10, 15, 20, 25, __?__

_____ _____

8. 3, 6, 9, 12, 15, __?__

_____

9. 56, 50, 44, 38, __?__

_____

Find the product.

10. $6 \times 6 =$ ____

11. $4 \times 6 =$ ____

12. $8 \times 6 =$ ____

13. $5 \times 5 =$ ____

14. $5 \times 8 =$ ____

15. $5 \times 7 =$ ____

Combine Plane Figures

Tell if each figure will tessellate. Write *yes* or *no*.

1.   **2.**   **3.**   **4.**

_____ _____ _____ _____
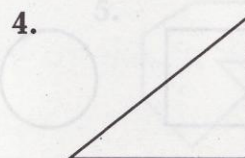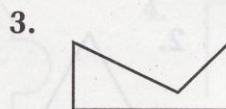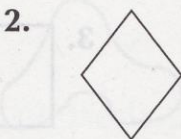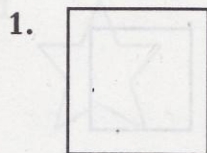
Trace and cut out each figure. Use each figure to make a tessellation. You may color your design.

5.   **6.**
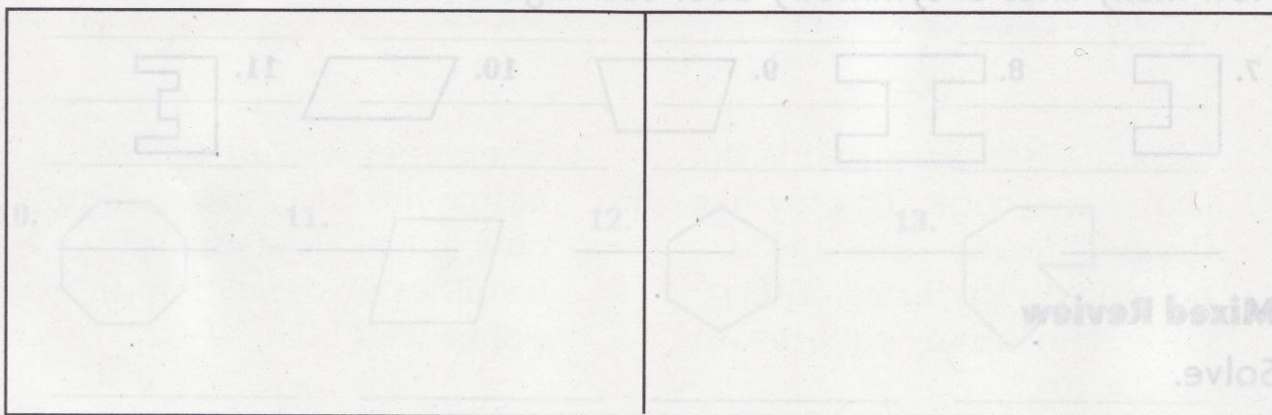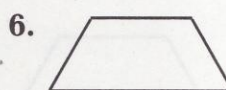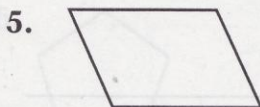
Mixed Review

Write each number in standard form.

7. $20{,}000 + 800 + 5$ **8.** $30{,}000 + 6{,}000 + 10$ **9.** $50{,}000 + 7{,}000 + 3$

_____   _____   _____

Estimate each sum.

10.	**11.**	**12.**	**13.**	**14.**
874	952	892	352	925
$+\ 635$	$+\ 411$	$+\ 999$	$+\ 429$	$+\ 659$

Write the number of sides and angles each plane figure has.
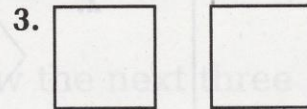
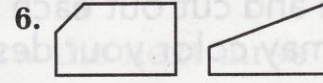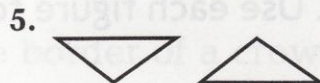**15.** hexagon   **16.** octagon   **17.** pentagon
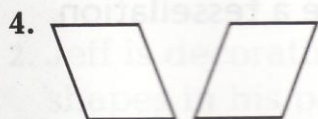
Congruence and Symmetry

Tell whether the two figures are congruent. Write *yes* or *no*.
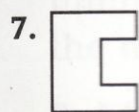
1. _____   2. _____   3. _____

4. _____   5. _____   6. _____

How many lines of symmetry does each figure have?

7. _____ 8. _____ 9. _____ 10. _____ 11. _____

Mixed Review

Solve.

12.
$$500 - 47$$

13.
$$300 - 82$$

14.
$$200 - 153$$

15.
$$800 - 237$$

16.
$$800 - 538$$

17.
$$100 - 36$$

18.
$$300 - 42$$

19.
$$700 - 515$$

20.
$$122 + 54 + 106$$

21.
$$682 + 124 + 589$$

22.
$$375 + 439 + 86$$

23.
$$514 + 100 + 300$$

24.
$$24 + 315 + 7$$

25. 8×3 26. 7×5 27. 9×7 28. 11×6 29. 10×8