

6-1 Angles of Polygons

- _____ 1. Tell the sum of the measures of the interior angles of the a HEXAGON.
- _____ 2. How many degrees is each interior angle of a regular decagon?
- _____ 3. The measure of an interior angle of a regular polygon is 108 degrees. How many sides must this polygon have?

Figure 1

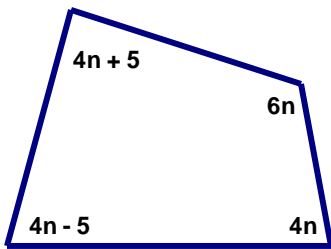
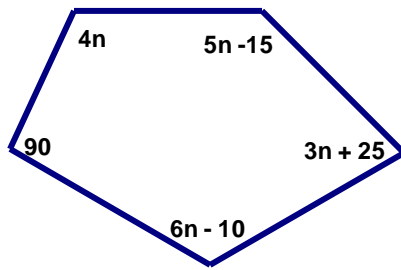


Figure 2



- _____ 4. What is the value of n in Figure 1 above?
- _____ 5. What is the value of n in Figure 2 above?

6-2 Parallelograms

- _____ 1. Given parallelogram ABCD find D knowing $A = (0, 0)$ $B = (6, 0)$, $C = (3, 4)$
- _____ 2. Which of the following is not true about a parallelogram?
 A. The diagonals bisect each other.
 B. Any two consecutive angles are complementary.
 C. Any two opposite sides are congruent.
 D. Any two opposite angles are congruent.
- _____ 3. Given parallelogram ABCD find D knowing $A = (-3, -5)$ $B = (1, -5)$, $C = (-20, -15)$
- _____ 4. Opposite angles are always congruent in a(n)
 A. trapezoid B. quadrilateral C. parallelogram D. isosceles trapezoid
- _____ 5. Which of the following is NOT true of parallelograms?
 A. The opposite sides are congruent C. Consecutive angles are complementary
 B. The opposite angles are congruent D. The diagonals bisect each other