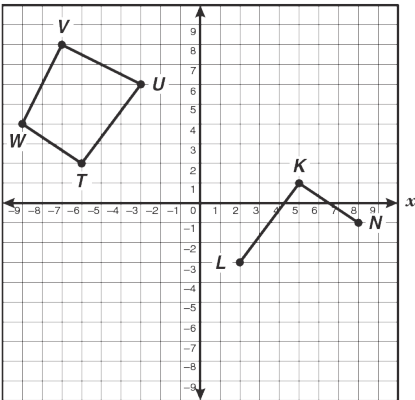


Objective 6 - Page 1 of 6

The graph shows quadrilateral  $TUVW$ ,  $\overline{KN}$ , and  $\overline{KL}$ . At what coordinate point should vertex  $M$  be placed to make quadrilateral  $KLMN$  congruent to quadrilateral  $TUVW$ ?



- A (6, -4)
- B (4, -5)
- C (5, -5)
- D (6, -5)

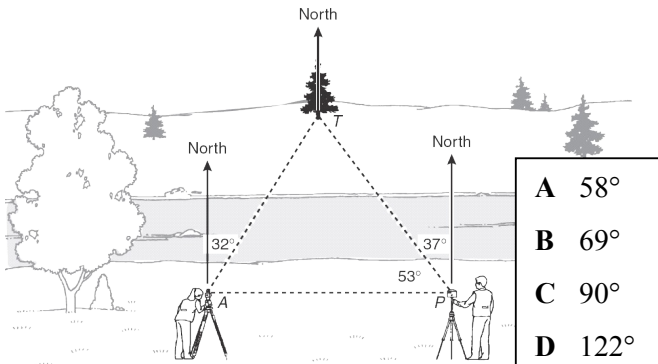
July '06 Obj 6 - # 7

A diagonal walkway through a park is 18 meters long. If the park is a square, how long is one of its sides to the nearest tenth of a meter?

- A 9.0 m
- B 12.7 m
- C 18.0 m
- D 25.5 m

July '06 Obj 6 - # 27

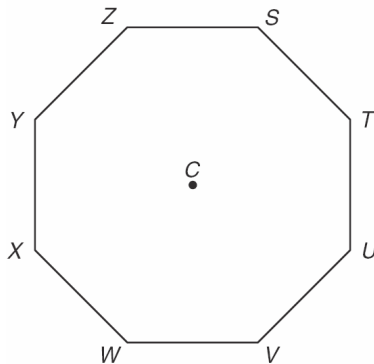
The figure below shows the positions of a surveying crew measuring the distance to a tree across the river. Which of the following best represents the measure of  $\angle TAP$ ?



- A  $58^\circ$
- B  $69^\circ$
- C  $90^\circ$
- D  $122^\circ$

July '06 Obj 6 - # 19

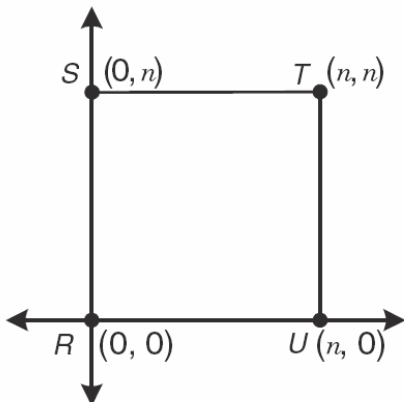
The regular octagon below shows selected positions on a combination lock. The dial of the lock is turned  $90^\circ$  clockwise and then  $45^\circ$  counterclockwise. Which pair of points can describe the starting and ending points of a marker on the dial of this lock?



- A T to U
- B S to V
- C W to V
- D Z to W

July '06 Obj 6 - # 31

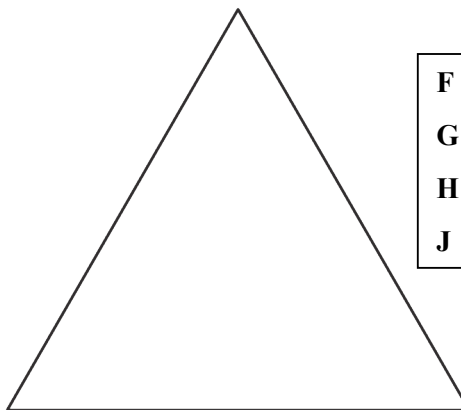
The polygon  $RSTU$  is shown below. Which expression represents the area of this polygon?



- F  $4n^2$
- G  $4n$
- H  $2n$
- J  $n^2$

July '06 Obj 6 - # 24

If the perimeter of the equilateral triangle shown below is 37 centimeters, what is the approximate area of the triangle?



- F  $132 \text{ cm}^2$
- G  $54 \text{ cm}^2$
- H  $33 \text{ cm}^2$
- J  $66 \text{ cm}^2$

July '06 Obj 6 - # 46