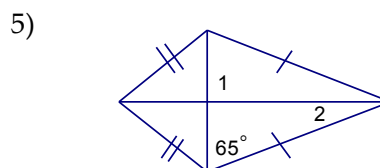
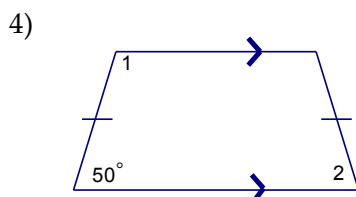
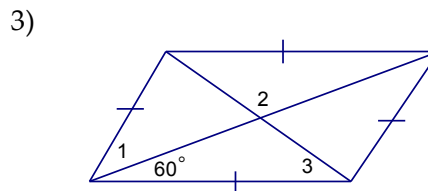
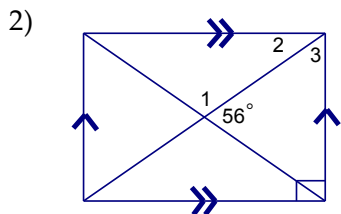
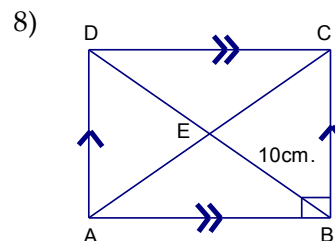
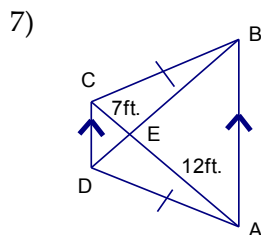
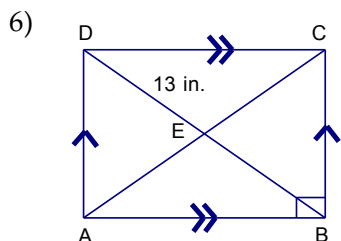


1) The perimeter of parallelogram RSTW is 36 cm. If $RS=12\text{cm}$, find the lengths of the other sides of the parallelogram.

Find the measures of the numbered angles for each quadrilateral. Determine the name of the quadrilateral.



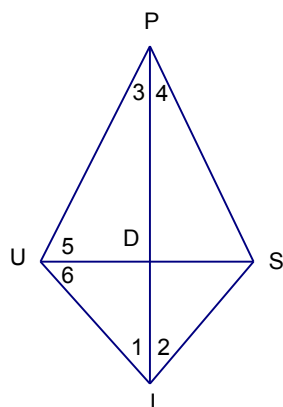
Find AC for each quadrilateral.



9) UPSI is a kite with $\overline{UI} \cong \overline{IS}$ and $\overline{UP} \cong \overline{PS}$.

$m\angle UIS = 52^\circ$ and $m\angle UPS = 44^\circ$.

Find each indicated measure.



$$m\angle 1 = \underline{\hspace{2cm}}$$

$$m\angle 2 = \underline{\hspace{2cm}}$$

$$m\angle 3 = \underline{\hspace{2cm}}$$

$$m\angle 4 = \underline{\hspace{2cm}}$$

$$m\angle 5 = \underline{\hspace{2cm}}$$

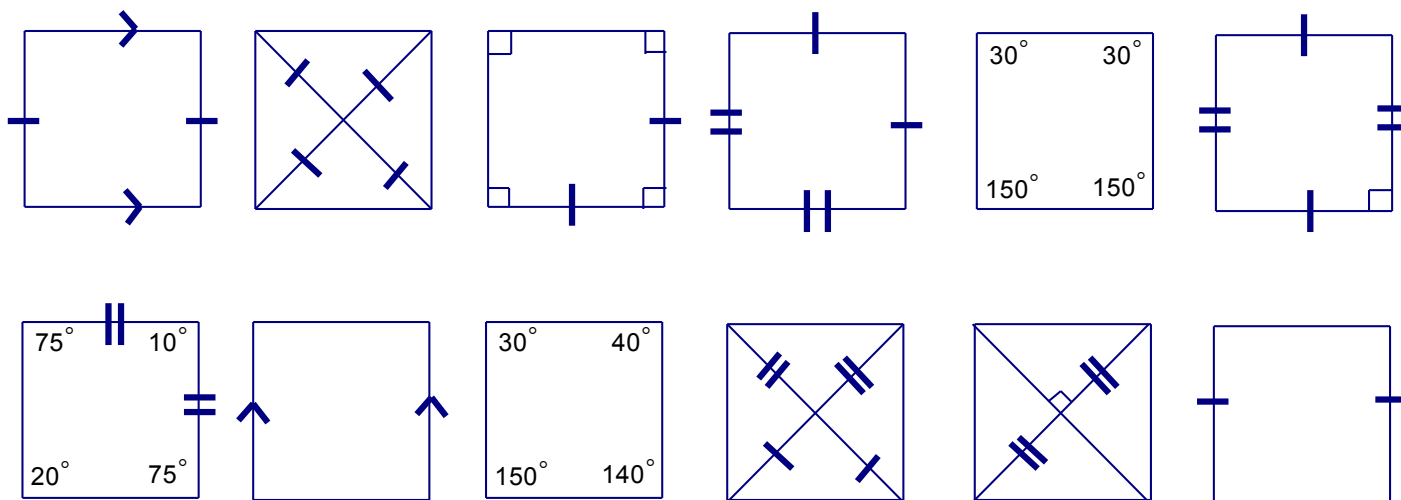
$$m\angle 6 = \underline{\hspace{2cm}}$$

10) What is the sum of the measures of the interior angle of an n-sided polygon?

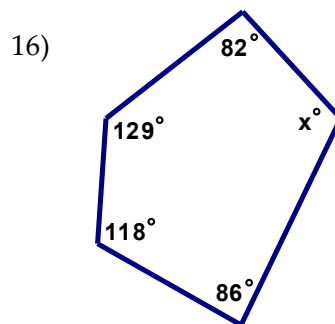
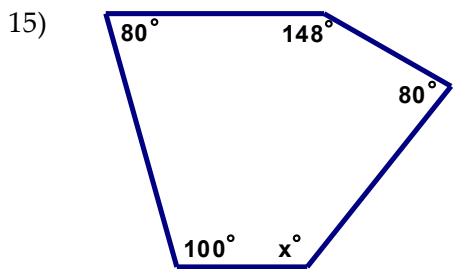
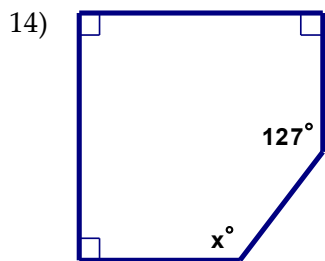
11) What is the sum of the measures of the exterior angles of an n-sided polygon?

12) How many diagonals does an n-sided polygon have?

13) Am I a quadrilateral, parallelogram, rectangle, rhombus, square, kite, trapezoid, or isosceles trapezoid?



Find the value of x in each polygon.



Find each measure.

17) An interior angle in a regular hexagon.

18) An exterior angle in a regular decagon.

19) An interior angle in a regular decagon.

20) An exterior angle in a regular hexagon.

21) Number of diagonals in an octagon.

22) Sum of the measures of the exterior angles of a heptagon.

Find the values of the variables for each regular polygon.

