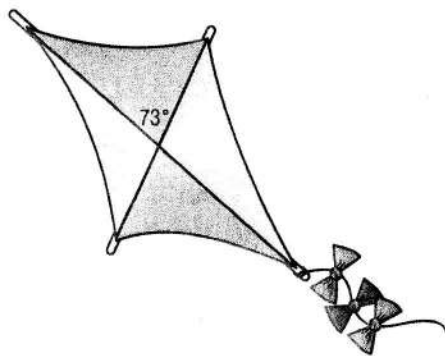


- 2 Angles 1 and 2 are adjacent angles on a line. What is the sum of the measures of the angles?

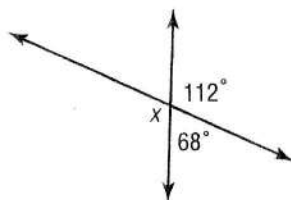
A) 30°
 B) 60°
 C) 90°
 D) 180°

- 3 A kite is built by crossing and joining two sticks. If one of the angles formed at the intersection of these sticks measures 73° , what is the measure of the opposite angle?



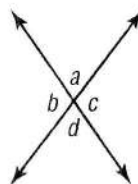
A) 17°
 B) 37°
 C) 73°
 D) 107°

- 4 Using the figure, find x .



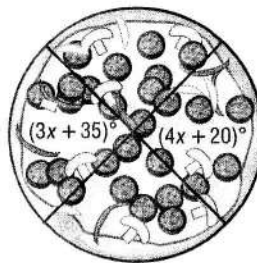
A) 22°
 B) 44°
 C) 68°
 D) 112°

- 5 In the figure, if $m\angle a = 40^\circ$, which of the following is true?



A) $m\angle b = 40^\circ$
 B) $m\angle c = 40^\circ$
 C) $m\angle d = 40^\circ$
 D) $m\angle db = 140^\circ$

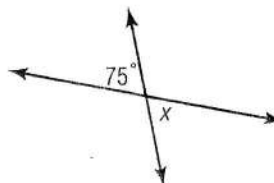
- 6 Beth used a pizza cutter to make 2 intersecting cuts and divide a pizza into 4 slices. She expressed the angle of one slice as $(4x + 20)^\circ$ and the one opposite as $(3x + 35)^\circ$.



What was the measure of each angle?

A) 15°
 B) 45°
 C) 60°
 D) 80°

- 7 If $m\angle x = (2y + 25)^\circ$, find the value of y .



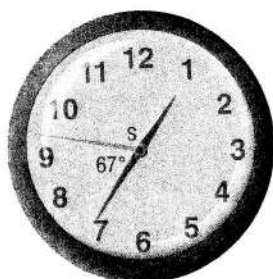
A) 21.5
 B) 25
 C) 68
 D) 75

MULTIPLE CHOICE

- 2 If $m\angle a = 86^\circ$, what is the measure of its complement?

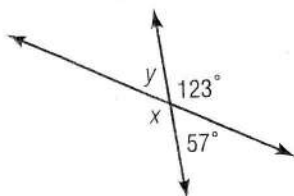
A) 4°
 B) 40°
 C) 68°
 D) 94°

- 3 What is the measure of angle s on the clock below?



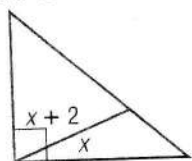
A) 23°
 B) 67°
 C) 93°
 D) 113°

- 4 Based on the drawing below, which of the following statements is true?



- A) $\angle x$ and the 123° angle are supplementary.
 B) $\angle y$ and the 123° angle are supplementary.
 C) $\angle x$ and the 57° angle are complementary.
 D) $\angle y$ and the 57° angle are complementary.

- 5 If the triangle shown is a right triangle, what is the value of x ?

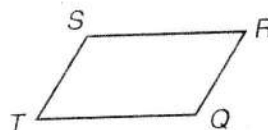


A) 22
 B) 44
 C) 46
 D) 88

- 6 Suppose $m\angle r = (4x + 11)^\circ$ and $m\angle s = (x + 14)^\circ$. If angles r and s are supplementary, what is the measure of the smaller angle?

A) 31°
 B) 42°
 C) 45°
 D) 135°

- 7 In parallelogram $SRQT$, angles R and Q are supplementary. If $m\angle R = (3x + 22)^\circ$ and $m\angle Q = (5x - 2)^\circ$, what is the measure of angle Q ?



A) 20°
 B) 70°
 C) 82°
 D) 98°

- 8 Complementary angles m and n have measures of $(3y + 21)^\circ$ and $(4y + 20)^\circ$. What is the value of the larger angle?

A) 7°
 B) 42°
 C) 48°
 D) 49°

- 9 The measures of two angles are $4x^\circ$ and $(2x + 12)^\circ$. What must be true if $x = 13$?

A) Both angles are acute and complementary.
 B) Both angles are obtuse and supplementary.
 C) One angle is acute, one is obtuse, and they are complementary.
 D) One angle is acute, one is obtuse, and they are supplementary.