

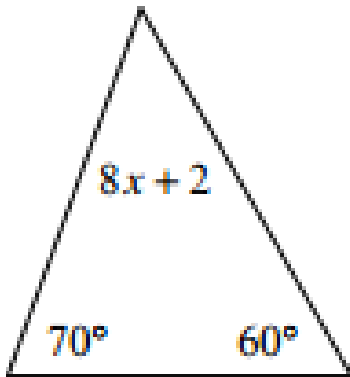
NAME : _____

CLASS : _____

DATE : _____

1.

Solve for x. WORK REQUIRED



a) 11

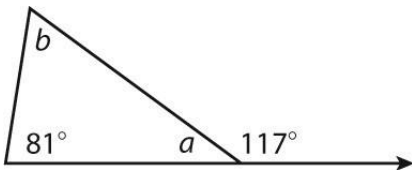
b) 50

c) 16

d) 6

2.

What is the measure of angle b?



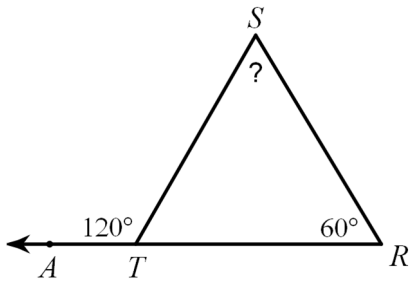
a) 56°

b) 117°

c) 63°

d) 36°

3.



Find $\angle S$

- A) 60° B) 68°
C) 49° D) 50°

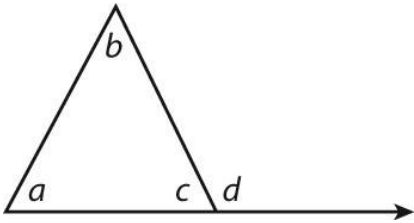
a) B

b) A

c) C

d) D

4.



Which of the following angles can you add together to equal angle d?

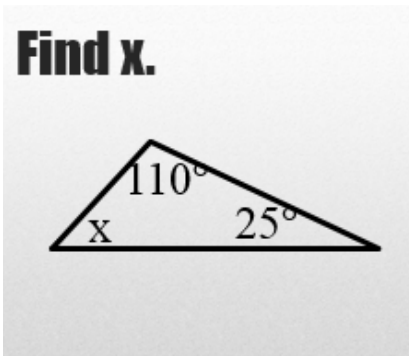
a) Angle a and Angle b and Angle c

b) Angle b and Angle c

c) Angle a and Angle c

d) Angle a and Angle b

5.



Find the measure of the indicated angle.

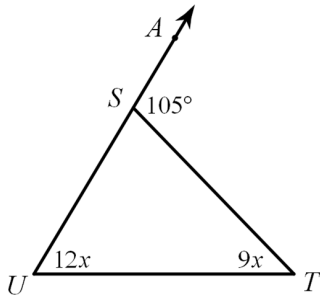
a) 95

b) 85

c) 35

d) 45

6.



Find the value of x by using the exterior angle theorem. WORK REQUIRED

- A) 3 B) 5
C) 14 D) 2

a) C

b) D

c) B

d) A

7. Which sets of side measurements do **NOT** create a Triangle? {mark all that apply}

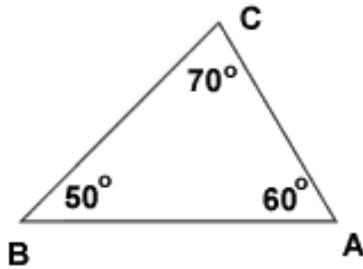
a) 2,3,4

b) 4, 5, 12

c) 90,45,45

d) 60,60,60

8.



Which is correct if listing the sides from shortest to longest?

a) AC, BC, AB

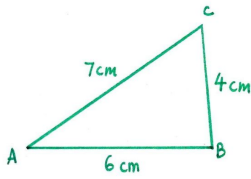
b) AB, BC, AC

c) AC, AB, BC

d) BC, AB, AC

9.

Which is correct if listing the angles from smallest to largest?



a) $\angle B, \angle C, \angle A$

b) $\angle C, \angle B, \angle A$

c) $\angle A, \angle C, \angle B$

d) $\angle A, \angle B, \angle C$

10. Which of the following sets of side lengths would form a triangle? {mark all that apply}

a) 12, 5, 7

b) 9, 1, 10

c) 8, 4.2, 12

d) 2, 3, 4

e) 2, 2, 2

11. If you have two lengths of sides of a triangle that are 5 inches and 12 inches each, what range of values can the third side be?

a) between 7 and 17 inches

b) between 5 and 12 inches

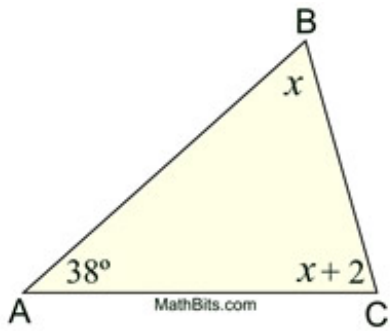
c) between 5 and 17 inches

d) between 7 and 12 inches

12. An _____ angle is on the outside of a triangle and is formed by extending any one side of the triangle past a vertex point

13. The Triangle Sum Theorem states that the interior angles of a triangle add up to

14.



Solve for X and then determine which list of sides is correct for listing them from shortest to longest {2 answers are necessary} WORK REQUIRED

a) AC, AB, BC

c) BC, AC, AB

e) X = 18

b) X = 50

d) x = 70