
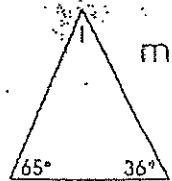


Triangles

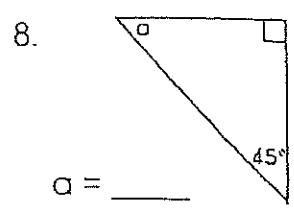
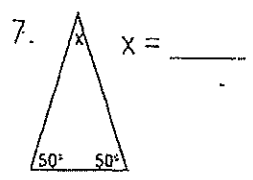
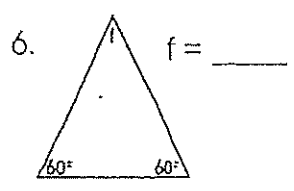
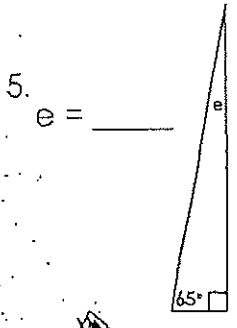
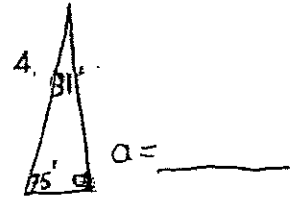
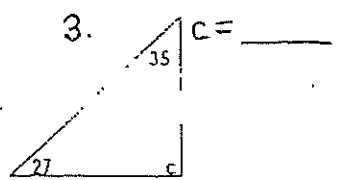
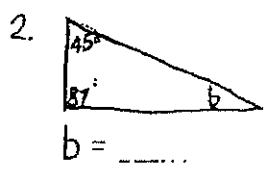
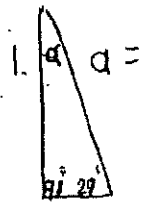


For any Δ
 $x + y + z = 180^\circ$

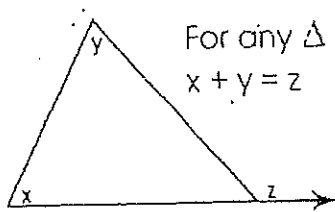


$m\angle 1 = \underline{\hspace{2cm}}$

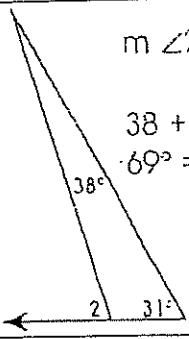
$m\angle 1 + 65 + 36 = 180$
 $m\angle 1 + 101 = 180$
 $m\angle 1 = 79$



Exterior and Interior Angles of a Triangle



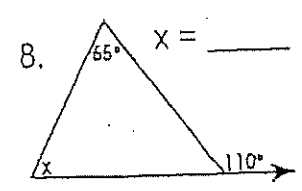
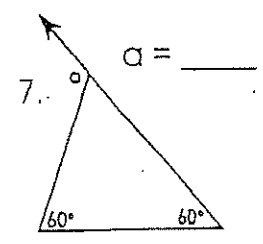
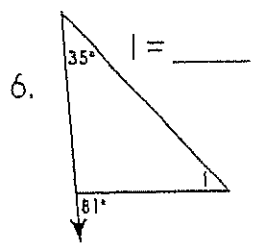
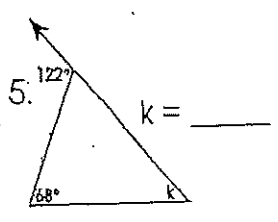
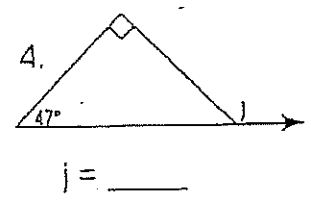
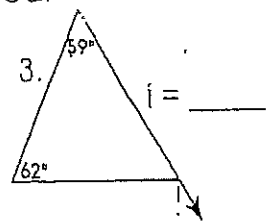
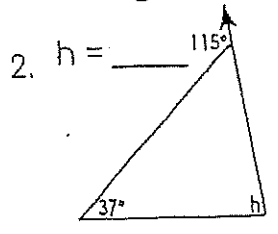
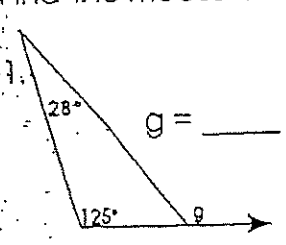
For any Δ
 $x + y = z$



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

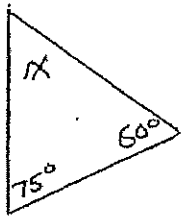
$38 + 31 = m\angle 2$
 $69 = m\angle 2$

Find the measures of the angles indicated.

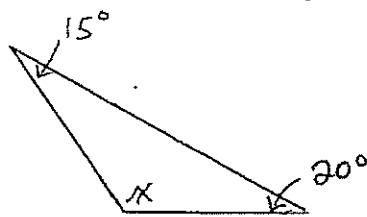


Find the unknown Angle "x" in the following Triangles

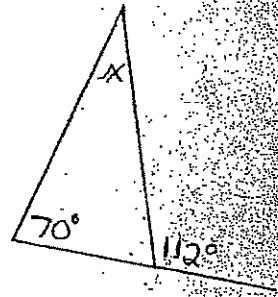
①



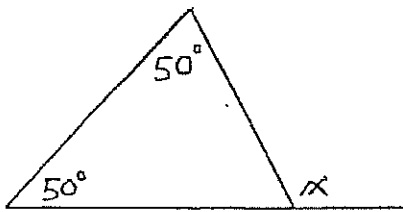
②



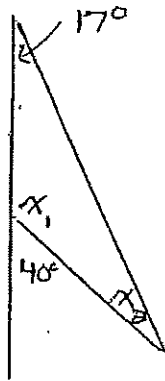
③



④

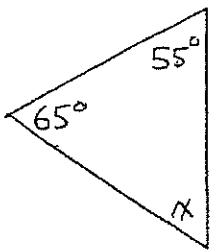


⑤

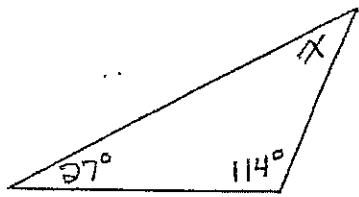


Find both values of x, x₁ and x₂

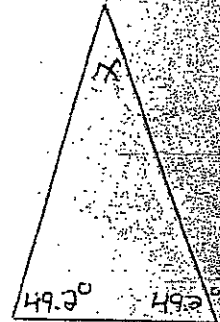
⑥



⑦



⑧



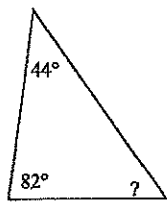
Assignment

Name _____

Date _____ Period _____

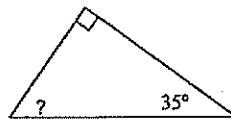
Find the measure of each angle indicated.

1)



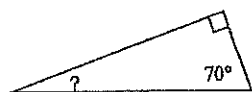
- A) 72° B) 45°
 C) 54° D) 47°

2)



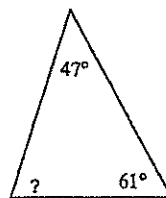
- A) 30° B) 45°
 C) 63° D) 55°

3)



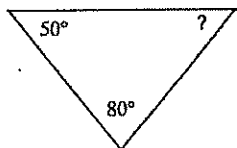
- A) 21° B) 26°
 C) 25° D) 20°

4)



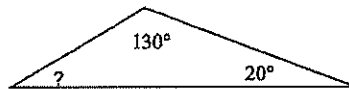
- A) 49° B) 151°
 C) 72° D) 46°

5)



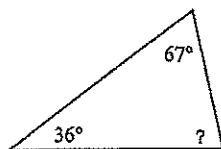
- A) 75° B) 61°
 C) 65° D) 50°

6)



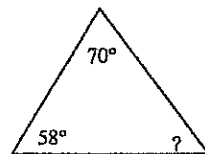
- A) 145° B) 30°
 C) 129° D) 50°

7)



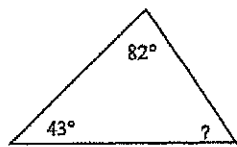
- A) 57° B) 81°
 C) 77° D) 65°

8)



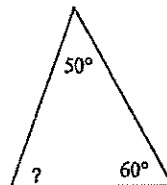
- A) 60° B) 150°
 C) 52° D) 120°

9)



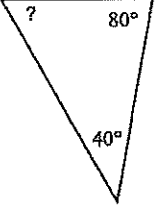
- A) 55° B) 64°
 C) 53° D) 120°

10)

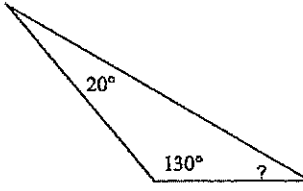


- A) 70° B) 79°
 C) 85° D) 65°

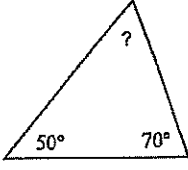


- 11) 

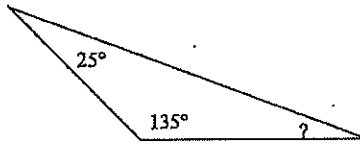
 A) 71° B) 60°
 C) 150° D) 58°

- 12) 

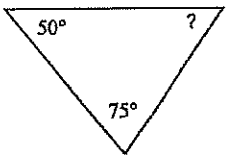
 A) 39° B) 30°
 C) 150° D) 38°

- 13) 

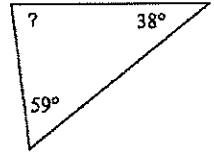
 A) 46° B) 60°
 C) 70° D) 75°

- 14) 

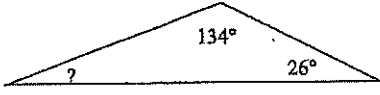
 A) 140° B) 20°
 C) 150° D) 130°

- 15) 

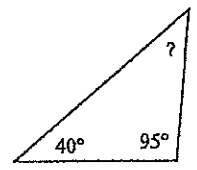
 A) 85° B) 58°
 C) 90° D) 55°

- 16) 

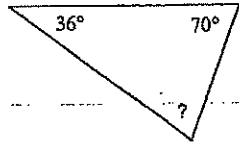
 A) 83° B) 81°
 C) 62° D) 109°

- 17) 

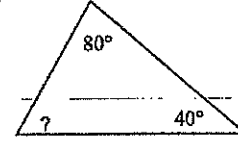
 A) 25° B) 150°
 C) 20° D) 55°

- 18) 

 A) 53° B) 58°
 C) 80° D) 45°

- 19) 

 A) 70° B) 67°
 C) 65° D) 74°

- 20) 

 A) 90° B) 60°
 C) 75° D) 25°

