FINDING MISSING ANGLES IN TRIANGLES

The **Triangle Angle–Sum Theorem** states that the measures of the interior angles of a triangle add up to 180°. You can use it to find a missing angle in a triangle.

**Let's try it!** Find $m\angle C$ in the triangle below.

95°
45°
C
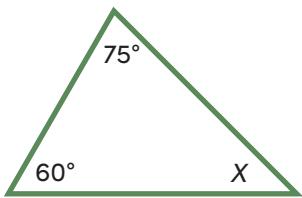
$45° + 95° + m\angle C = 180°$
$140° + m\angle C = 180°$
$m\angle C = 180° - 140°$
$m\angle C = 40°$
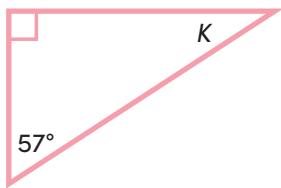
Try it yourself! Find the missing angle measure in each triangle.
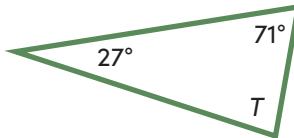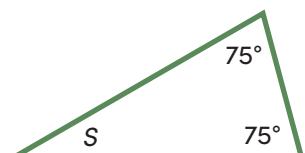
75°
60°
X

$m\angle X = $ ___**45°**___

125°
30°
D

$m\angle D = $ ___**25°**___

K
57°

$m\angle K = $ ___**33°**___

27°
71°
T

$m\angle T = $ ___**82°**___

75°
S
75°

$m\angle S = $ ___**30°**___

37°
V

$m\angle V = $ ___**53°**___

© ThuVienTiengAnh.Com

Answer Key
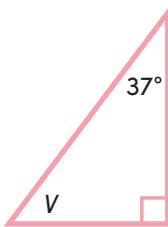
FINDING MISSING ANGLES IN TRIANGLES

Keep going! Find the missing angle measure in each triangle.

62°

56°

B

m∠B = ____**72°**____

Q

23°   84°

m∠Q = ____**73°**____

F

24.3°   24.3°

m∠F = ____**131.4°**____

Z

40.5°   32°

m∠Z = ____**107.5°**____

29.3°

Y

m∠Y = ____**60.7°**____

18.4°

26.5°   A

m∠A = ____**135.1°**____

G

92.7° 53°

m∠G = ____**34.3°**____

128.3°

T   23.9°

m∠T = ____**27.8°**____

© ThuVienTiengAnh.Com