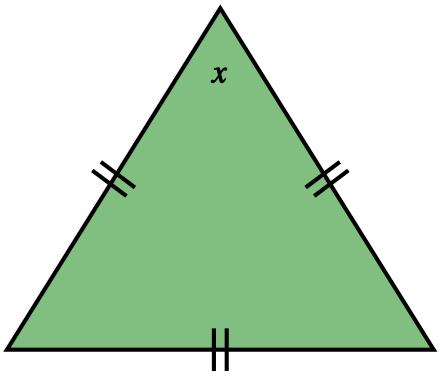
Angle sum of a triangle

Name:	Class:	Date:

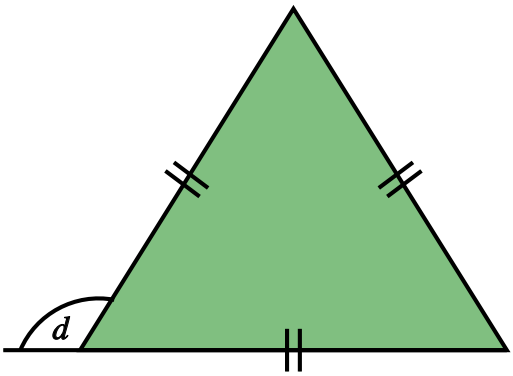
Mark	/ 12	%

1) Find the value of x [1]



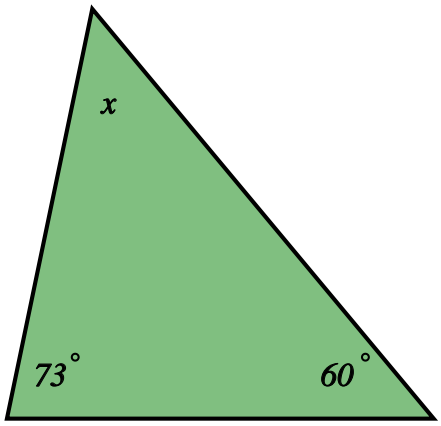
$x =$ ☐ °

2) Find the value of d [1]



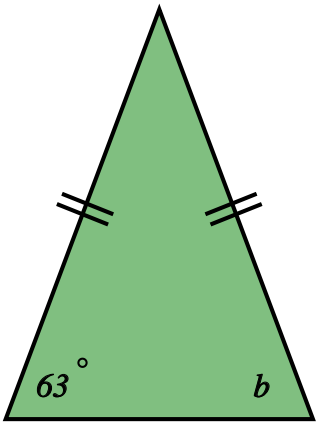
$d =$ ☐ °

3) Find the value of x [1]



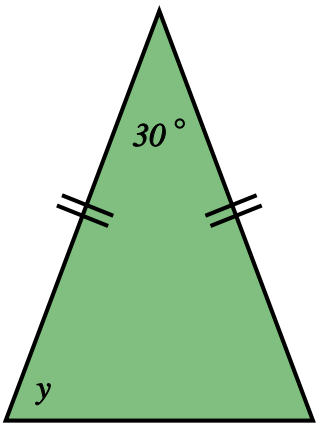
$x =$ ☐ °

4) Find the value of b [1]



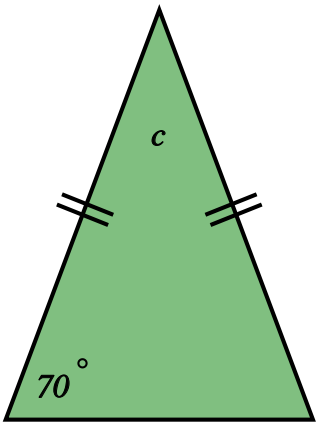
$b =$ ☐ °

5) Find the value of y [1]



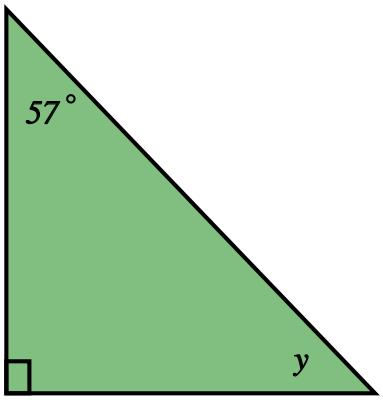
$y =$ ☐ °

6) Find the value of c [1]



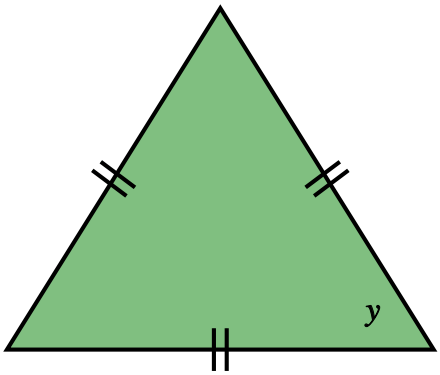
$c =$ ☐ °

7) Find the value of y [1]



$y =$ ☐ °

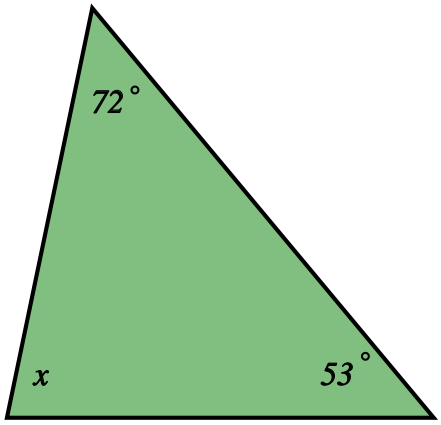
8) Find the value of y, **giving a reason for your answer**. [1]



$y =$ ☐ °

Reason:

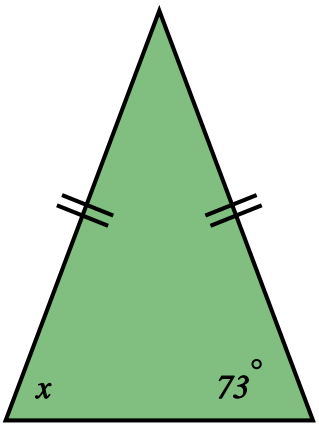
9) Find the value of x, **giving a reason for your answer**. [1]



$x =$ ☐ °

Reason:

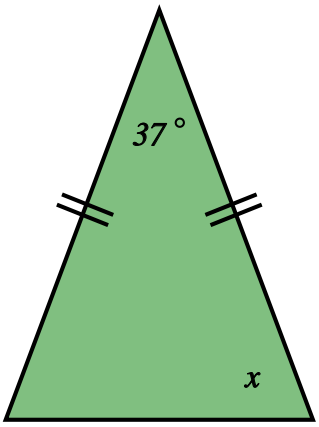
10) Find the value of x, **giving a reason for your answer**. [1]



$x =$ ☐ °

Reason:

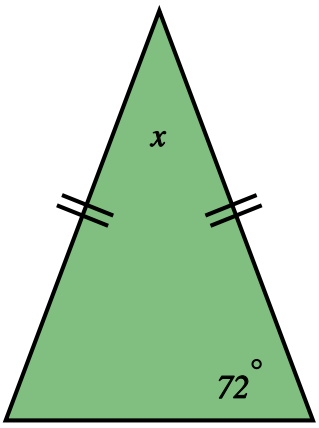
11) Find the value of x, **giving a reason for your answer**. [1]



$x =$ ☐ °

Reason:

12) Find the value of x, **giving a reason for your answer**. [1]



$x =$ ☐ °

Reason:

Solutions for the assessment Angle sum of a triangle

1) $x = 60°$

2) $d = 120°$

3) $x = 47°$

4) $b = 63°$

5) $y = 75°$

6) $c = 40°$

7) $y = 33°$

8) $y = 60°$ (Angles in an equilateral triangle are equal)

9) $x = 55°$ (Angle sum of a triangle is 180°)

10) $x = 73°$ (Two equal angles in isosceles triangle)

11) $x = 71.5°$ (Isosceles triangle and angle sum of a triangle)

12) $x = 36°$ (Isosceles triangle and angle sum of a triangle)