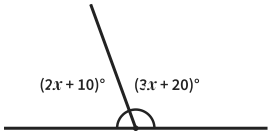


Angles and algebra

1

Find x .



Add $(2x + 10) + (3x + 20) = 180$

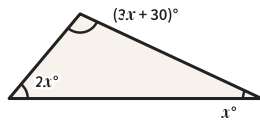
Simplify $5x + 30 = 180$

$x =$

Answer

2

Find x .



Add $x + 2x + (3x + 30) = 180$

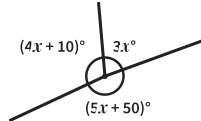
Simplify $6x + 30 = 180$

$x =$

Answer

3

Find x .



Add $4x + 10 + 3x = 180$

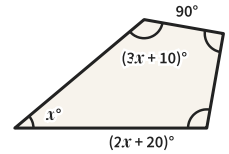
Simplify $7x + 10 = 180$

$x =$

Answer

4

Find x .

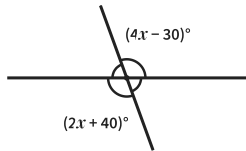


$x =$

Answer

5

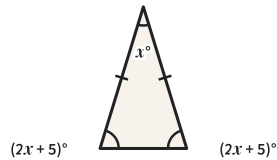
Find x .



Answer

6

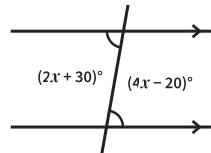
The two sides with a mark are equal.
Find the size of the largest angle.



Answer

7

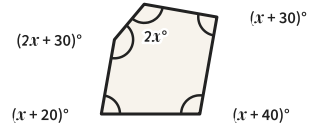
Find x , then the size of each marked angle.



Answer

8

The angles in a pentagon add to 540°.
Find x .

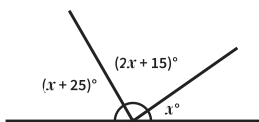


Answer

Angles and algebra *further practice*

9

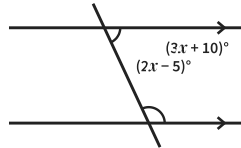
Find x .



Answer

10

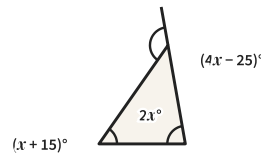
Find x .



Answer

11

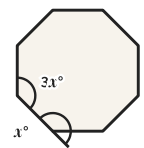
Find x .



Answer

12

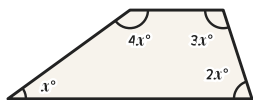
Part of a regular polygon is shown.
How many sides does it have?



Answer

13

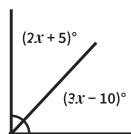
Find the size of the largest angle in this quadrilateral.



Answer

14

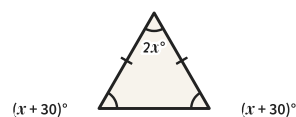
The two angles make a right angle.
Find x .



Answer

15

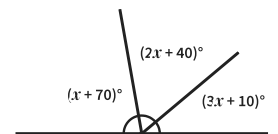
Find x . What type of triangle is this?



Answer

16

Kai says $x = 40$. Explain his mistake and find the right value.



Answer