

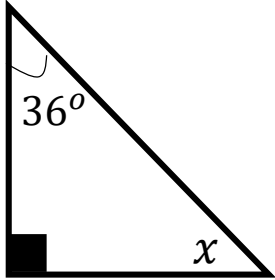


Timester Challenge

Angles in Triangles

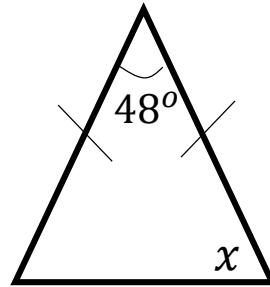


Calculate the size of angle x .



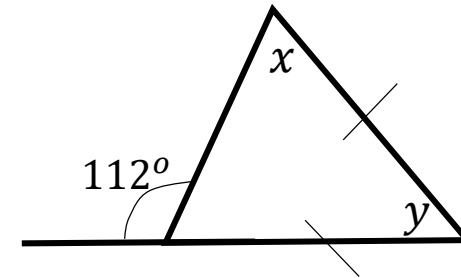
Bronze ★

Calculate the size of angle x .

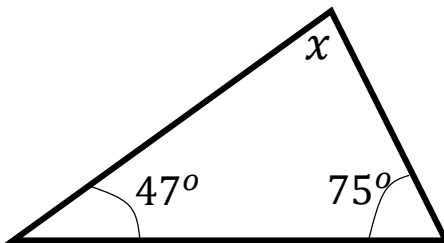


Silver ★

Calculate the size of angles x and y .

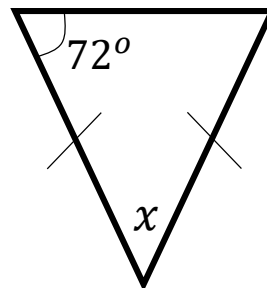


Calculate the size of angle x .



Bronze ★

Calculate the size of angle x .



Silver ★

Gold ★



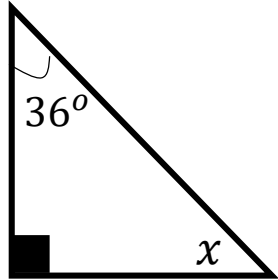
Timester Challenge

Angles in Triangles

Answers



Calculate the size of angle x .

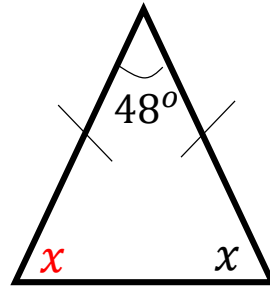


$$36 + 90 = 126$$
$$180 - 126 = 54$$

So $x = 54^\circ$

Bronze ★

Calculate the size of angle x .



$$180 - 48 = 132$$

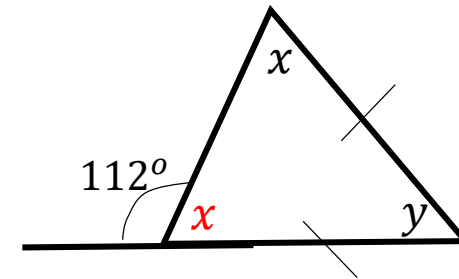
Isosceles Triangle

$$132 \div 2 = 66^\circ$$

So $x = 66^\circ$

Silver ★

Calculate the size of angles x and y .



Angles on a Straight Line 180 degrees

$$180 - 112 = 68^\circ$$

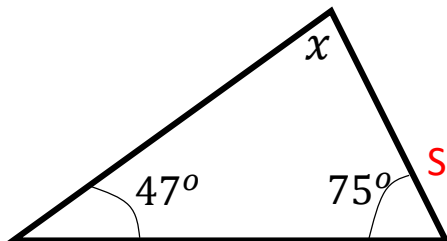
Isosceles Triangle

$$\text{So } x = 68^\circ$$
$$68 + 68 = 136$$
$$180 - 136 = 44$$

So $y = 44^\circ$

Gold ★

Calculate the size of angle x .

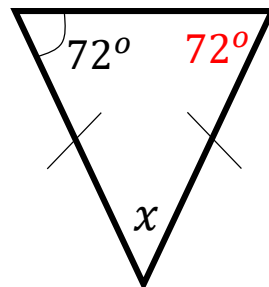


$$47 + 75 = 122$$
$$180 - 122 = 58$$

So $x = 58^\circ$

Bronze ★

Calculate the size of angle x .



$$72 + 72 = 144$$

Isosceles Triangle

$$180 - 144 = 36^\circ$$

So $x = 36^\circ$

Silver ★