

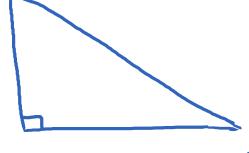
$$3x + 48^{\circ} + 61^{\circ} = 180^{\circ}$$
 $3x = 71^{\circ}$

$$x = \frac{71^{\circ}}{3} \approx 23.67^{\circ}$$

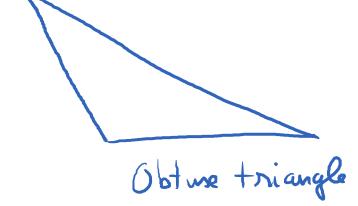
Terminology All acute

A aute triangle

one right angle



Right triangle



Special Triangles

All sides ure equal

Equilateral triangle

2 sides are equal

Isoceles Priangle

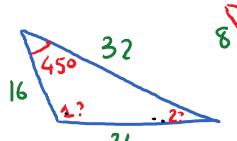
Scalene Triangle

Similar Triangles

(1) Corresponding angles must have the same measure

Corresponding sides are proportional





Find all the remaining angles

$$\frac{16}{8} = \frac{24}{x} = \frac{32}{y} \rightarrow x = 12 ; y = 16$$