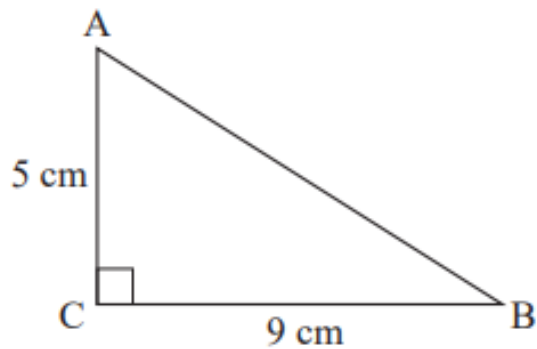
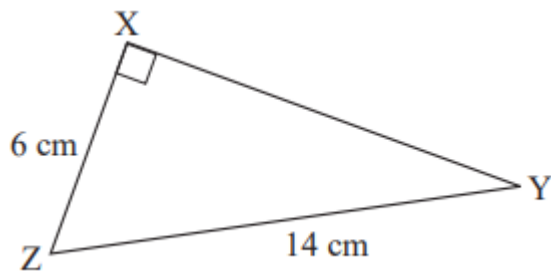


MATH WORKSHEET – Trigonometry

1. Calculate the length of the side AB of this triangle:



2. Calculate the length of the side XY of this triangle:



Answer Sheet:

1. Solution:

$$AB^2 = AC^2 + BC^2$$

$$= 5^2 + 9^2$$

$$= 25 + 81$$

$$= 106$$

$$AB = \sqrt{106} = 10.29563014 \text{ cm}$$

$$AB = 10.3 \text{ cm (to 1 decimal place)}$$

2. Solution:

$$YZ^2 = XY^2 + XZ^2$$

$$14^2 = XY^2 + 6^2$$

$$196 = XY^2 + 36$$

$$XY^2 = 160$$

$$XY = \sqrt{160} = 12.64911064 \text{ cm}$$

$$XY = 12.6 \text{ cm (to 1 decimal place)}$$