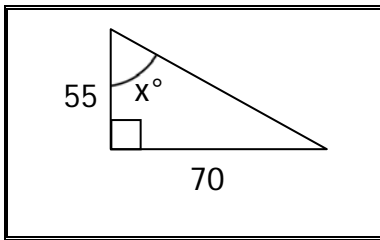


## Mathematics Department Workshops

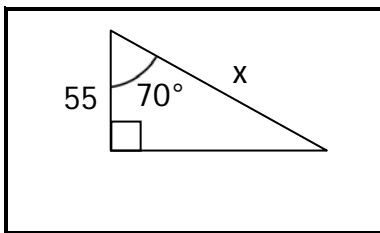
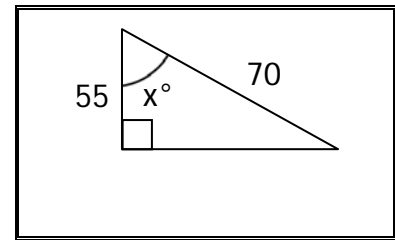
Topic: Trigonometry

Resource Sheet HT2.TRG.3



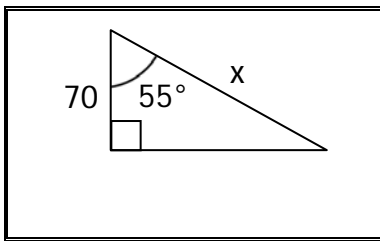
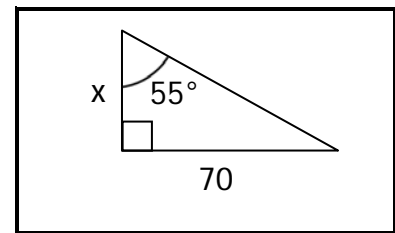
$$x = 122.0$$

to 1 decimal place



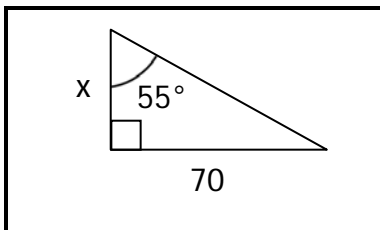
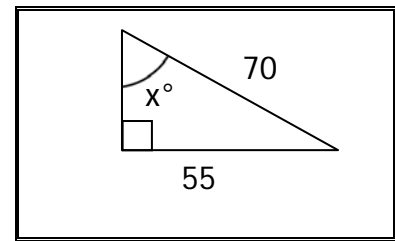
$$x = 58.5$$

to 1 decimal place



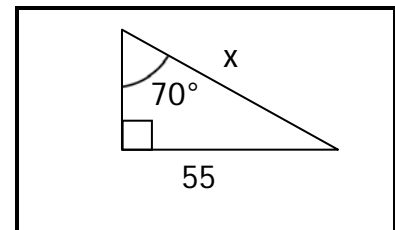
$$x = 49.0$$

to 1 decimal place



$$x = 51.8$$

to 1 decimal place



$$\sin x = \frac{55}{70}$$

$$\sin 70 = \frac{55}{x}$$

$$\tan 55 = \frac{70}{x}$$

$$\tan x = \frac{70}{55}$$

$$\cos 70 = \frac{55}{x}$$

$$\cos x = \frac{55}{70}$$

Match each trigonometrical statement and value for  $x$  to the correct diagram.

Not everything can be matched. Challenge learners to find other values and statements.