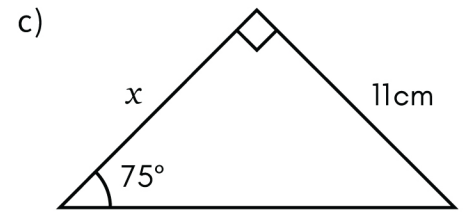
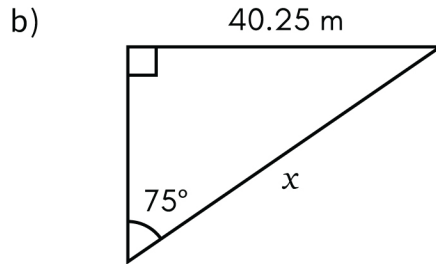
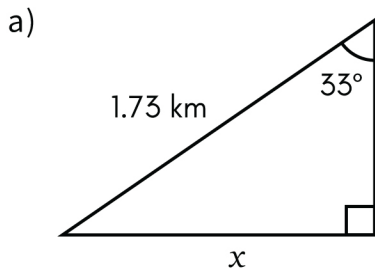


Pythagoras' Theorem & Trigonometry

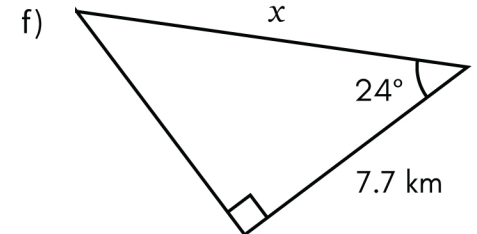
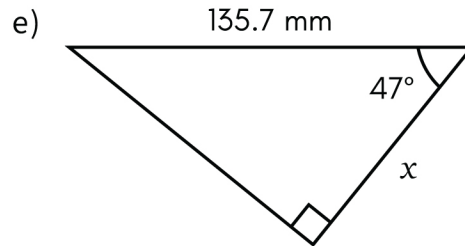
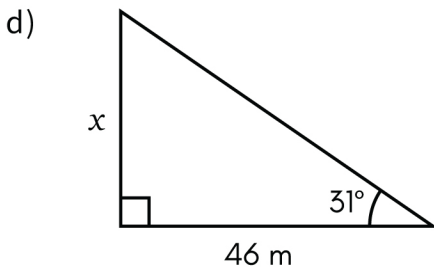
1. Find x in each of the following right triangles.



$x =$ _____

$x =$ _____

$x =$ _____

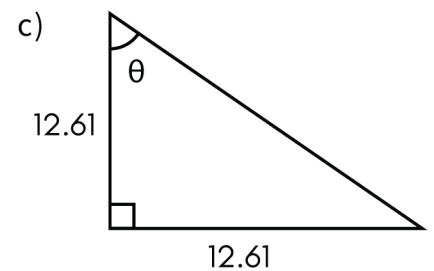
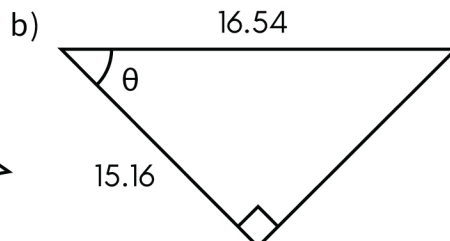
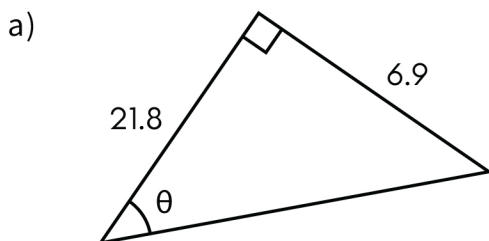


$x =$ _____

$x =$ _____

$x =$ _____

2. Determine the unknown angle in each of the following right triangles. Correct your answer to the nearest whole number.



$\theta =$ _____

$\theta =$ _____

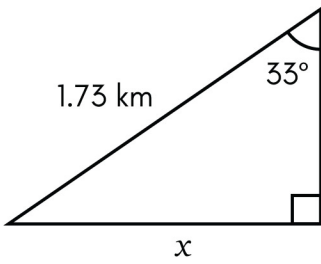
$\theta =$ _____

Pythagoras' Theorem & Trigonometry

Answers

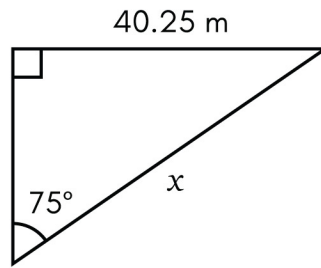
1.

a)



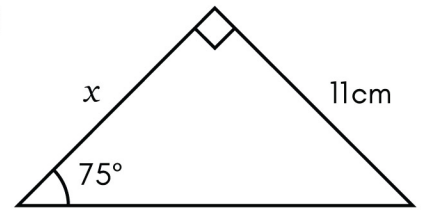
$x = \underline{0.94 \text{ km}}$

b)



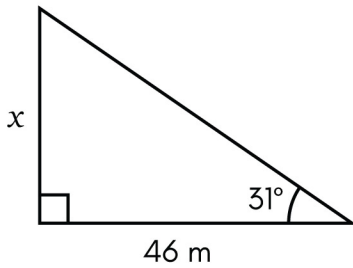
$x = \underline{41.67 \text{ cm}}$

c)



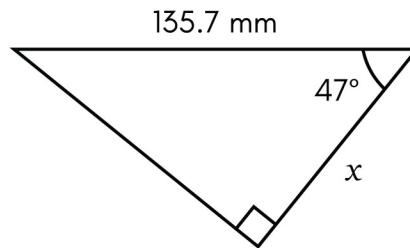
$x = \underline{2.95 \text{ cm}}$

d)



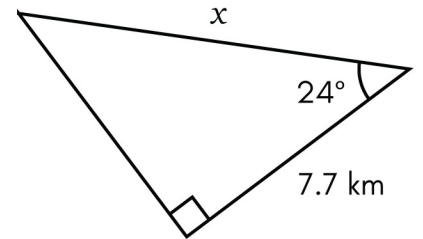
$x = \underline{27.64 \text{ m}}$

e)



$x = \underline{92.55 \text{ mm}}$

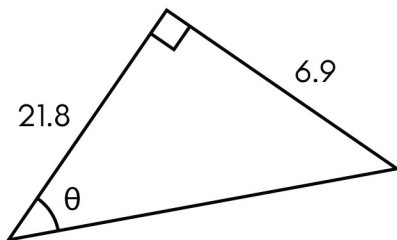
f)



$x = \underline{8.43 \text{ km}}$

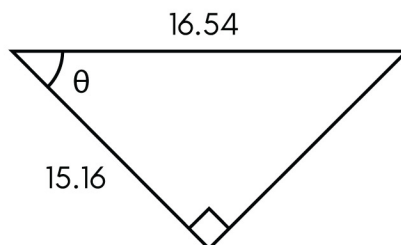
2.

a)



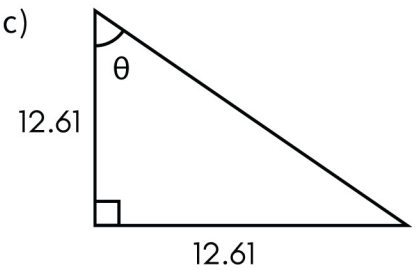
$\theta = \underline{18^\circ}$

b)



$\theta = \underline{24^\circ}$

c)



$\theta = \underline{45^\circ}$