Trigonometry SOHCAHTOA – www.m4ths.com
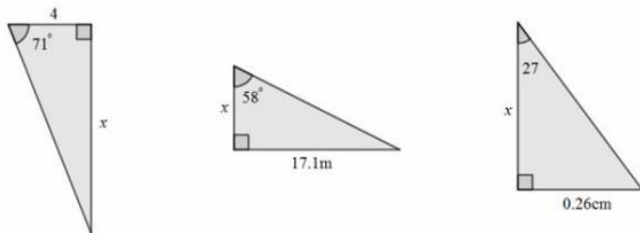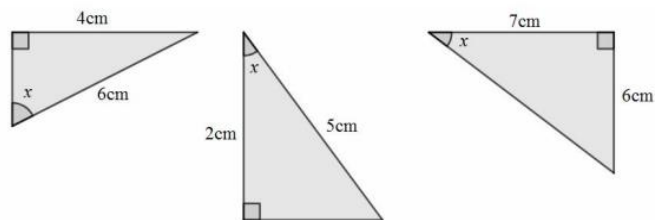Give all answers to 3SF where appropriate
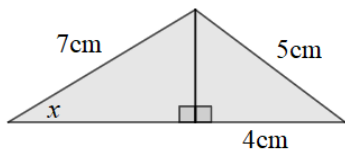(1) Find x in each triangle below.

4
71°
x

x
58°
17.1m

27
x
0.26cm

(2) Find x in each triangle below.

4cm
x
6cm

x
5cm
2cm

7cm
x
6cm

(3) Find the value of x in the triangle below.
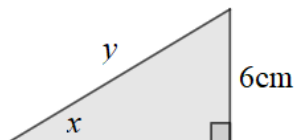
7cm
5cm
x
4cm
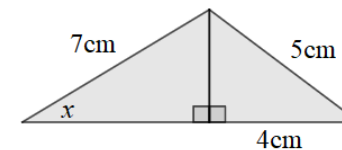
(4) A right-angle triangle has hypotenuse of 25cm and one shorter side of 7cm. Find the smallest angle in the triangle.
(5) John walks directly south for 8km before walking due east for 6000m. He then returns directly to his stating point. Find the total distance he walks.
(6) Peter walks north 3km and then walks east 7km. Find the bearing Peter is on relative to his starting point after he has walked 10km.
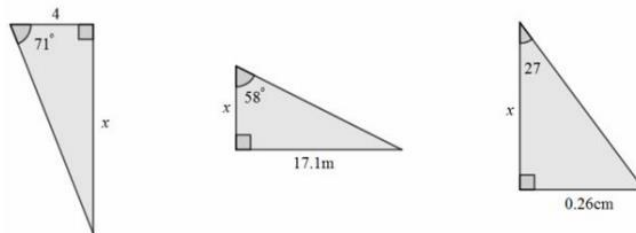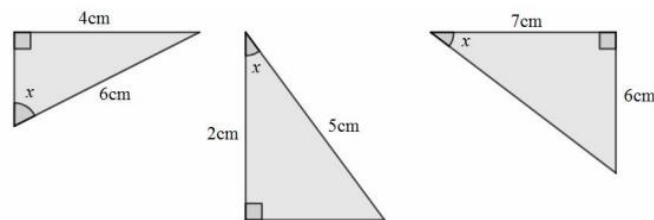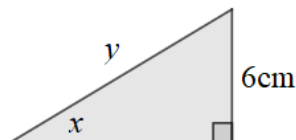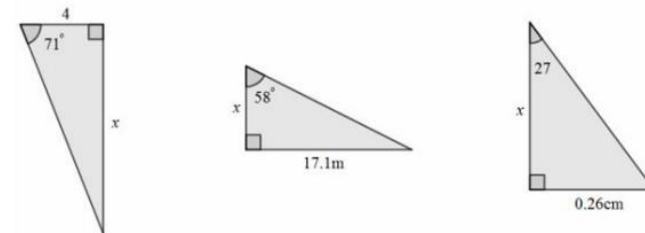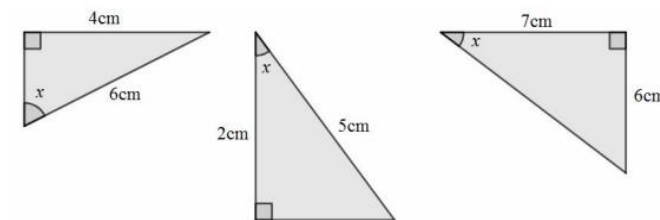(7) NON-CALC. Given that $\sin(x) = 0.3$, find y.

y
6cm
x