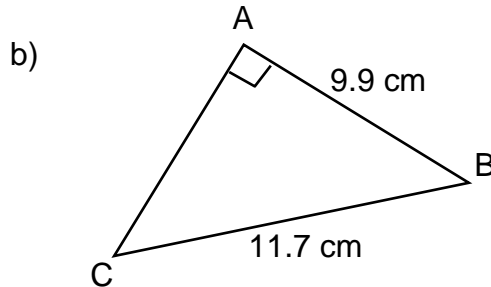1. Find sin D and cos D in fractional form.

D

8

9
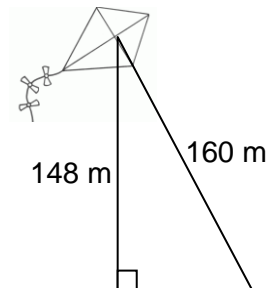
F

4

E

2. Find the measure of ∠B, in each triangle, to the nearest degree.

a)   A

6.9 cm

5.5 cm

B

C

b)   A

9.9 cm

B

11.7 cm

C
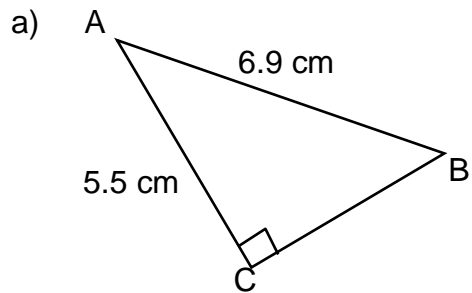
3. Find the measure of each acute angle to the nearest degree.

a)   5 cm

U   V

9 cm

W

b)   T

10.8 cm

S

18.0 cm

U
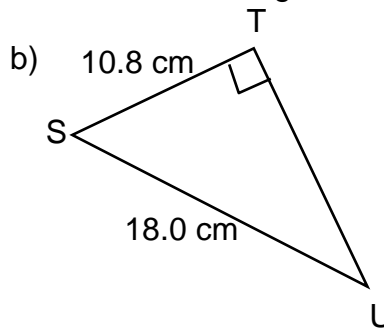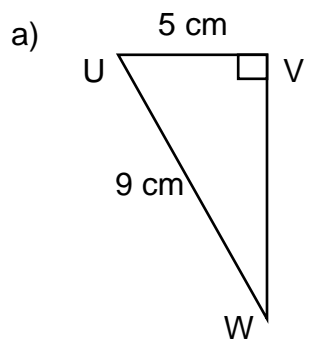
4. The string of a kite is 160 m long. The string is anchored to the ground. The kite is 148 m high. What angle, to the nearest degree, does the string make with the ground?

160 m

148 m

5. A loading ramp is 4.5m long. The top of the ramp has height 1.6m. What angle, to the nearest degree, does the ramp make with the ground?

6. A ladder leans on a wall. What angle, to the nearest degree, does the ladder make with the ground?

24 ft

6 ft