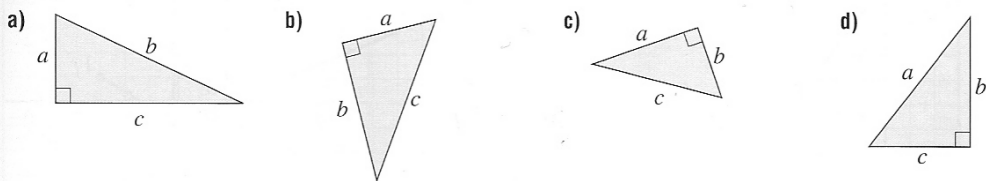# THE PYTHAGOREAN THEOREM
ASSIGNED WORK – PART 1
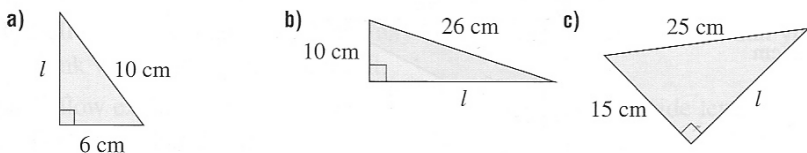
1. Identify the hypotenuse in each triangle.

a)

b)

c)

d)

2. Calculate the length of each hypotenuse, h.

a)

b)

c)
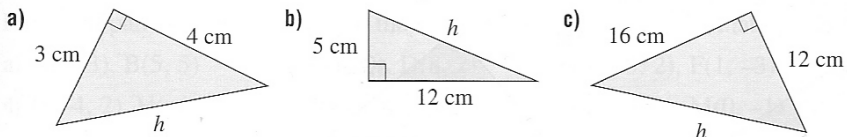
3. Calculate the length of each longer leg, l.

a)

b)

c)

4. Calculate the length of each shorter leg, s.

a)

b)

c)
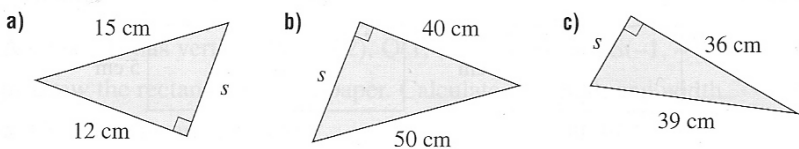
5. Calculate the length of the third side of each triangle. Give each answer to 1 decimal place.

a)

b)

c)

d)

e)

f)
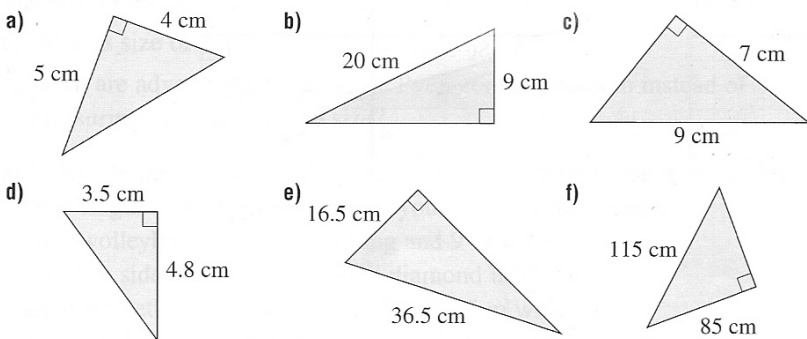
Answers

1. a) b	**b)** c	**c)** c	**d)** a
2. a) 5 cm	**b)** 13 cm	**c)** 20 cm	
3. a) 8 cm	**b)** 24 cm	**c)** 20 cm	
4. a) 9 cm	**b)** 30 cm	**c)** 15 cm	
5. a) 6.4 cm	**b)** 17.9 cm	**c)** 5.7 cm	
d) 5.9 cm	**e)** 32.6 cm	**f)** 77.5 cm	