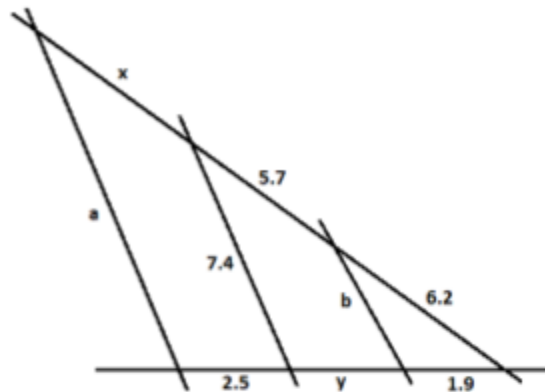


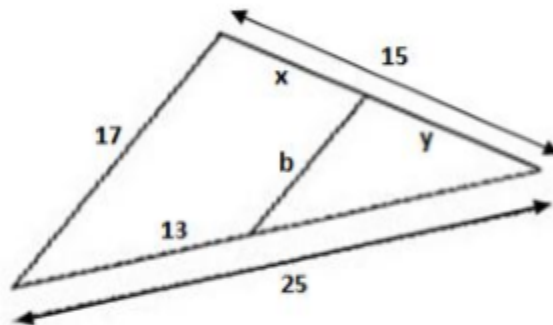
## GEOMETRY TEST - 3º ESO

**Exercise 1: (1.25 pts)** Find the values of the indeterminates:

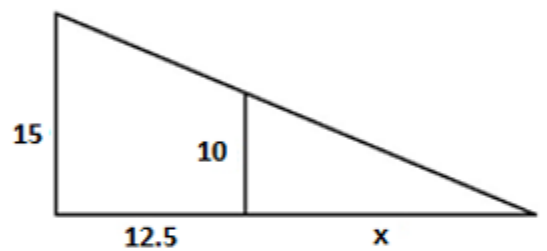


**Exercise 2: (2 points)** Work out the values of the indeterminates in the following figures:

a)

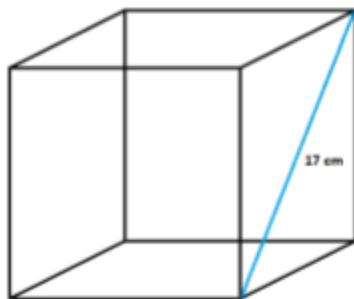


b)



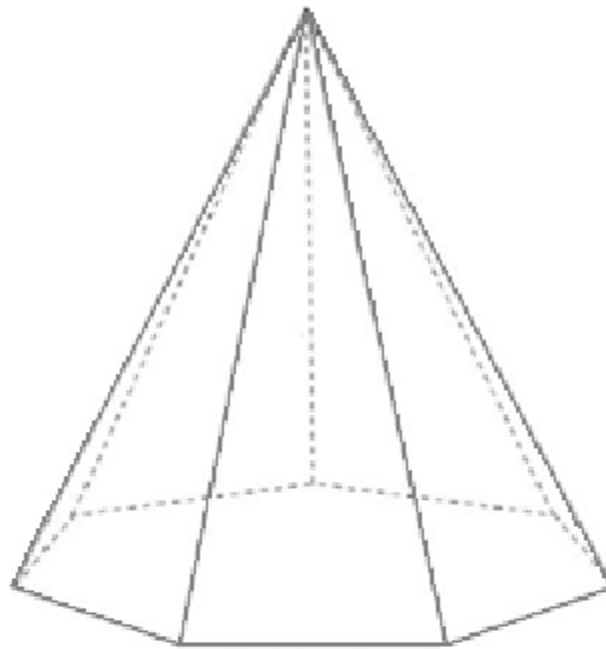
**Exercise 3: (1 point)** If I place my bonsai 0.75 m from me and I lie down on the ground, I can hide the 3.4 m oak that's planted at the other side of the garden. If my little bonsai is 37 cm high, what's the distance from the bonsai to the oak.

**Exercise 4: (1.5 points)** Find the axial diagonal and the area of a cube if the diagonal of one of the faces measures 17 cm



**Exercise 5: (1.25 points)** Use Pythagoras' theorem to work out the lengths of the sides of a right-angled triangle if they measure  $x+5$ ,  $x+6$ , and  $x-2$  cm

**Exercise 6: (2 points)** Work out the value of the area of a regular heptagonal pyramid with altitude 10 cm if the length of the side of the base is 13 cm and the edge of the faces measures 17 cm.



**Exercise 7: (1 point)** Work out the area of the shaded triangle

