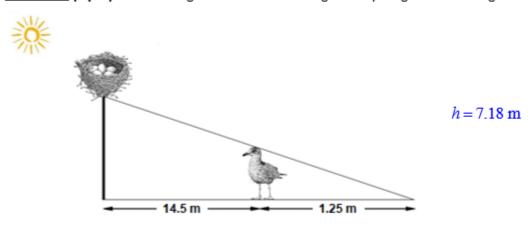
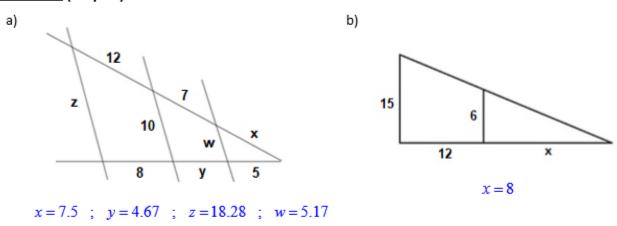
INTERCEPT AND PYTHAGORAS' THEOREMS TEST - 2° ESO

Exercise 1: (0.75 ptos) Enunciate Pythagoras' theorem:

Exercise 2: (1 pto) Find the height of the nest knowing that my seagull is 57 cm high:



Exercise 3: (2.5 ptos) Find the values of the indeterminates:



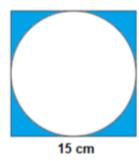
Exercise 4: (1 pto) Find the distance I am standing from the base of the Eiffel Tower, on a sunny summer day, knowing that it has a height of 300 m, my height is of 1.53 m and at that moment my shadow measures 1.1 m 214.59 m

Exercise 5: (1.25 ptos) Find the area of an isosceles trapezium knowing that its bases measure 24 cm and 37 cm and the slanted side has a length of 10 cm $A = 231.8 \text{ cm}^2$

Exercise 6: (1.5 ptos) Find the sides of a right-angled triangle knowing that they measure x-4 cm, x+2 cm and x-1 cm x=13 cm



Exercise 7: (0.75 ptos) Find the area of the shadowed region between the square and the circle:



$$A = 48.29 \text{ cm}^2$$

<u>Exercise 8:</u> (1.25 ptos) Find the area of the shadowed region if the side of the regular heptagon measures 6 cm and its radius measures 7 cm:



$$A = 21.12 \text{ cm}^2$$

PS: My seagull wants to sue me because I won't leave her alone. She says that this is on the verge of exploitation :(

