



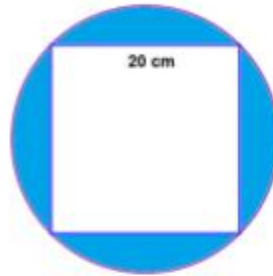
GEOMETRY TEST

2° ESO



Exercise 1: (0.75 ptos) Enunciate Pythagoras' theorem

Exercise 2: (1.25 ptos) Find the area of the shadowed region between the circle and the square if its side measures 20 cm



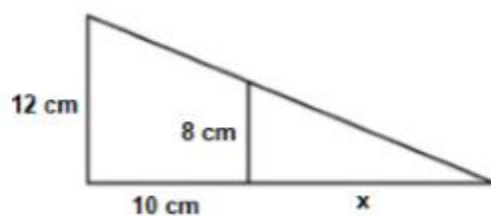
Exercise 3: (1 pto) Find the area of a right-angled trapezium if the bases measure 15 cm and 23 cm and the slanted side has a length of 12 cm

Exercise 4: (1.25 ptos) Find the area of the region between a circle and regular octagon with sides of length 13 cm and radius of length 17 cm inscribed within

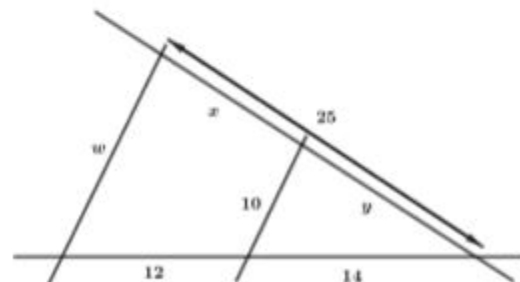


Exercise 5: (2 ptos) Find the value of the unknowns:

a)

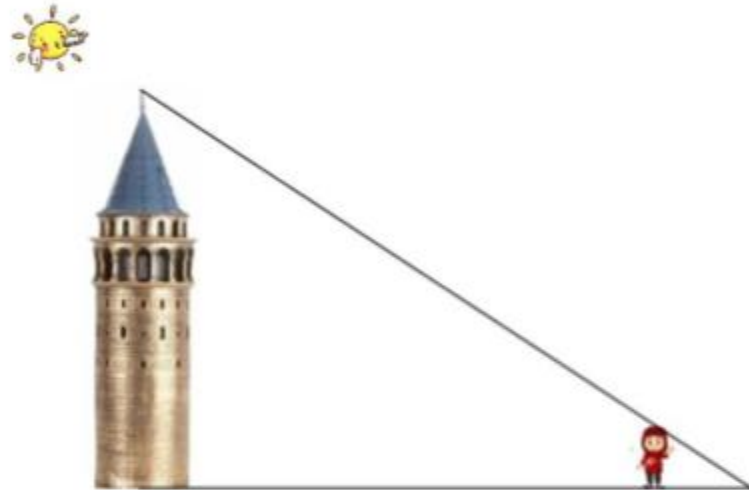


b)



Exercise 6: (1.5 pts) Find the sides of a right-angled triangle knowing that they measure x , $x+1$ and $x-7$ cm

Exercise 7: (0.75 pts) Find the height of the Galata Kulesi in İstanbul, knowing that my height is 1.53 m and at a certain moment of a very sunny day my shadow measures 75 cm and the shadow of the tower measures 30.88 m



Exercise 8: (1.5 pts) Find the values of the unknowns x , y , z and w :

