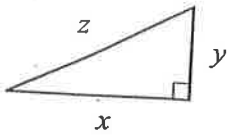
PYTHAGOREAN THEOREM

NAME: _____ DIV: ____ DATE: _____

1. Indicate if the equation is true or false.



a) $z^2 = x^2 + y^2$ T / F

b) $z = x + y$ T / F

c) $x^2 = z^2 - y^2$ T / F

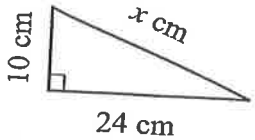
d) $y^2 = x^2 - z^2$ T / F

e) $x^2 + z^2 = y^2$ T / F

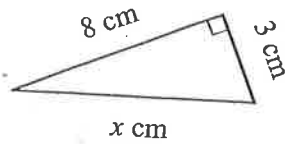
f) $x^2 = y^2 - z^2$ T / F

2. Find x. Round answers to one decimal place.

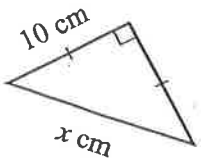
a)



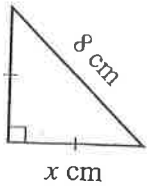
b)



c)

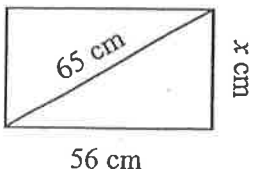


d)

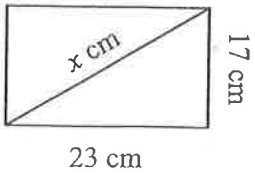


3. Find x for each rectangle. Round answers to one decimal place.

a)

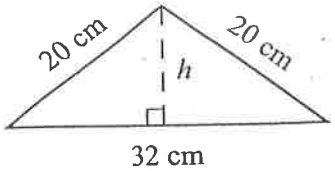


b)

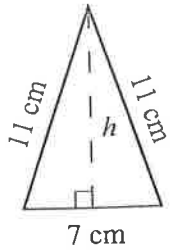


4. Find the length of the altitude to the base of the isosceles triangle.

a)

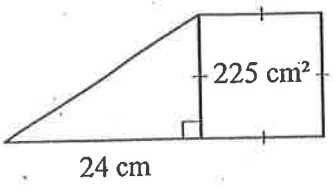


b)

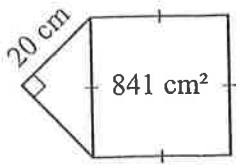


5. Find the perimeter of the right triangle. Round answers to one decimal place.

a)

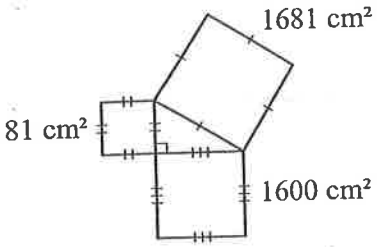


b)

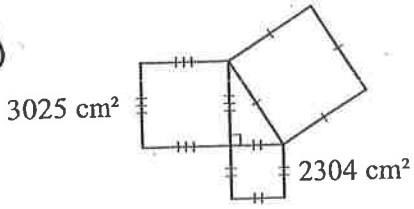


6. Find the perimeter of each triangle.

a)

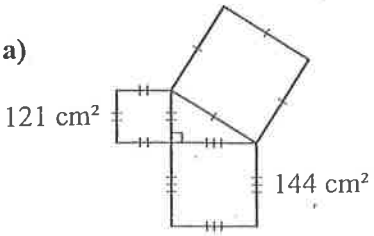


b)

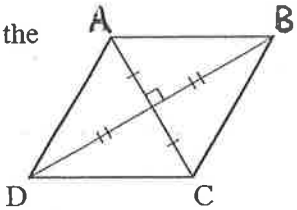


7. Find the area of the unknown square(s)

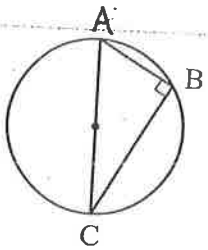
a)



8. Find the perimeter of the rhombus ABCD if AC = 10 cm and BD = 20 cm.



9. Find the radius of the circle if AB = 7 cm and BC = 12 cm.



10. Find the distance from A to B.