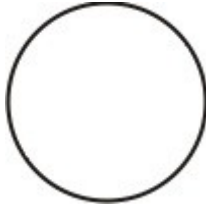


Mid Term Examination

Subject: Mathematics

Q.1 Calculate the circumference and the area of the circle?

(3 marks)



$d = 5.4 \text{ m}$

Ans: _____

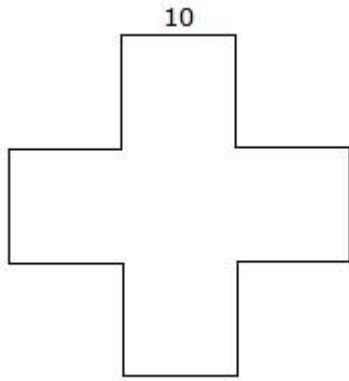
Q.2 Convert the measuring units as indicated.

(3 marks)

$38 \text{ km } 687 \text{ m} = \underline{\hspace{2cm}} \text{ mm}$

$400 \text{ mm}^2 = \underline{\hspace{2cm}} \text{ m}^2$

$49 \text{ km } 604 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$



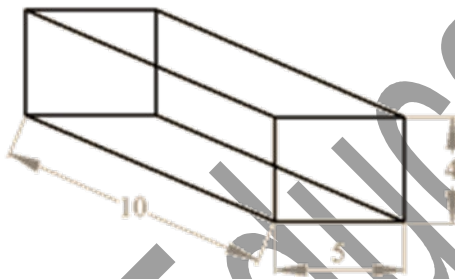
Q.3 What is the perimeter of the cross?

(2 marks)

Ans:

Q.4 Calculate the volume and the surface area of the Cuboid?

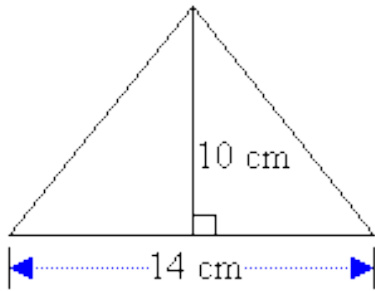
(5 marks)



Ans:

Q.5 Find the area of the triangle?

(2 marks)



Ans: _____

Q.6 Solve the following.

(10 marks)

Simplify $\left(\frac{2a^2}{3b}\right)^2 + \left(\frac{a}{b}\right)^3$

Ans: _____

Simplify $\frac{(2a^4b)^2 \times (ab^2)^3}{(6a^2b^3)^2}$

Ans: _____

Simplify: $n^2 - (n-2)(n+2)$

Ans:

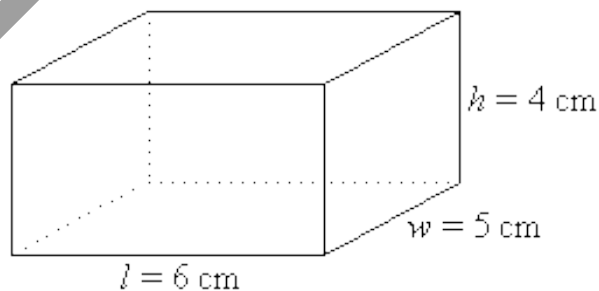
Simplify: $(16)^{-1/2} \times K = 1$ find the value of K.

Ans:

Simplify: $(7)^{5/2} + (7)^{1/2}$

Ans:

Q.6 What will be the surface area of the open box shown in fig?



Ans:

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