# Hill Side School

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| Final | |
| Others | |
| Total | |

**Parent's Signature**

**Full Name: _____ Grade: 8 Section: _____**

**Subject: Mathematics Year: 2012 E.C work sheet 5**

## *I. Answer the following questions.*

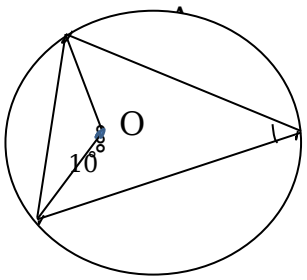
1. Find the highest common factor of $22oa^3b^2c$, $308a^2b^4$ and $396a^4c^2$?

2. The numerical coefficient of $\left(\frac{3}{4}a^2\right).\left(\frac{-1}{3}ab\right).\left(\frac{16}{5}b^2\right)$ is equal

3. Simplify $\sqrt[3]{85} - 2\sqrt[3]{24} + \sqrt[3]{648}$

4. The perimeter of a rectangle filed is 160m. The length of a rectangle is 10 more than the width. What is the length (L) and width (w) of a rectangle?

5. In figure below, $\overline{AB}$ is chord and O is the center of a circle what is the size of m (BAO)?

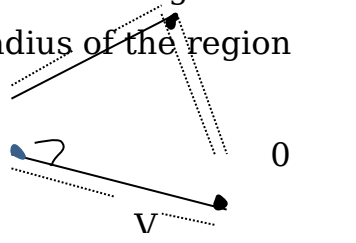



6. The altitude and the radius of the base of aright circular cylinder are equal, if the lateral surface area of cylinder is $882\pi cm^2$ then the, the length of the altitude is?

_____

7. If two dice rolling at the same time. What is the probability of <u>not</u> getting their sum is S or 9?

8. A 300 cm long piece of wire is bent to enclose a quarter of circular region center at O and radius ( R) as shown in figure below what is the radius of the region interims of $\pi$ v




60

9. Find the number of possible out comes when there coins and two dice rallied at the same time?

## *Choose the correct answer*

10. Which statement is NOT true about the probability scale?

A. A prime number between 32 and 36 is impossible

B. $0 \leq p\ (\sum) \leq 1$

C. Probability of unlikely event is between $\frac{1}{2}$ and 1

D. Man is mortal is a certain event