



Test / Exam Name: Basic_geo_ideas_ch4

Standard: 6th

Subject: Mathematics

Student Name: _____

Section: _____

Roll No.: _____

Questions: 11 Time: 00:35 hh:mm Marks: 20

Instructions

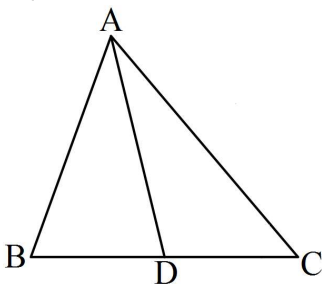
1. Keep proper timer
2. Do the images for reference, if required.
3. Honesty is the best policy.
4. Make you work tidy

SECTION-A

- Q1.** If the lines given by $3x + 2ky = 2$ and $2x + 5y + 1 = 0$ are parallel, then the value of K is: **1 Mark**
- A $\frac{-5}{4}$ B $\frac{2}{5}$ C $\frac{15}{4}$ D $\frac{3}{2}$
- Q2.** Identify the equation of a straight line. **1 Mark**
- A $y = 2x^2$ B $x^2 + y^2 = a$
C $\frac{x}{a} + \frac{x}{b} = 1$ D $\frac{x^2}{a^2} + \frac{x^2}{b^2} = 1$
- Q3.** The graphical representation of the pair of equations $x + 2y - 4 = 0$ and $2x + 4y - 12 = 0$ is: **1 Mark**
- A Intersecting lines B Parallel lines C Coincident lines D All the above
- Q4.** State whether the following statement is True or False. **1 Mark**
If slope of a curve is constant then it is a straight line.
1. True
 2. False
- Q5.** Write whether the following statements are True or False? **1 Mark**
Justify your answer:
Two distinct intersecting lines cannot be parallel to the same line.
1. True
 2. False

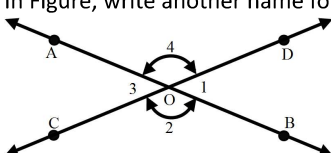
SECTION-B

- Q6.** A ship sailing in river Jhelam moves towards east. If it changes to north, through what angle does it turn? **2 Marks**
- Q7.** A bicycle wheel makes four and a half turns. Find the number of right angles through which it turns. **2 Marks**
- Q8.** In figure D is a point on side BC of a $\triangle ABC$. AD is joined. Name all the triangles that you can observe in the figure. How many are they? **2 Marks**



SECTION-C

- Q9.** The angles of a triangle are in the ratio 3 : 5 : 7. Find the measures of these angles. **3 Marks**
- Q10.** In Figure, write another name for: **3 Marks**



1. $\angle 1$
2. $\angle 2$
3. $\angle 3$
4. $\angle 4$

Q11. In name:

3 Marks

1. Five line segments.
2. Five rays.
3. Non-intersecting line segments.

