

**RAJIV VIDYA MISSION (SSA), A.P., HYDERABAD
SUMMATIVE TEST - MATHEMATICS**

Subject: Mathematics

Class: 7

Time : $2\frac{1}{2}$ hrs.

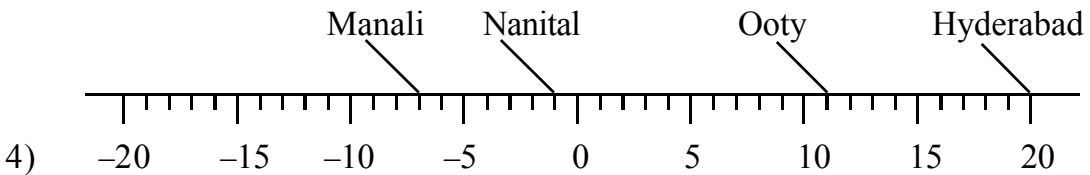
Name of the student:.....

R. No.

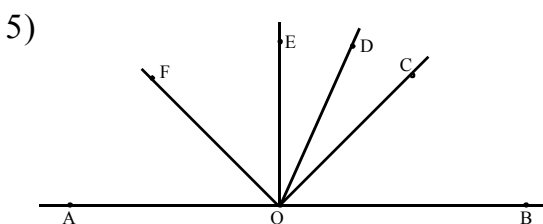
Acad. Std.	Problem Solving					Reasoning & Proof					Communication					Connections				Reprentation					Overall grade
	2	3	6	7	16	1	8	9	10	12	4	12	15	18	25	11	20	19	22	4	5	13	14	21	
Qn. Nos.																									
Q. wise Grade																									
Acad. Std. wise grades																									

I Answer the following.

- 1) A shopkeeper earns a profit of Rs.1 by selling one pen and incurs a loss of 40 paise per pencil while selling pencils.
 - a) In a particular day she incurs a loss of Rs.5/- In this period she sold 45 pens. How many pencils did she sell in this period?
 - b) On the next day she earns neither profit nor loss. If she sold 70 pens, how many pencils did she sell?
- 2) A merchant on selling a bag of rice earns a profit of Rs. 25 per first kind rice and loss of Rs. 15/- per a bag of second kind rice. On a particular day if he sells 80 bags of first kind and 120 bags of second kind. What was his profit or loss?
- 3) $A = 6\frac{1}{4} - 3\frac{1}{2}$, $B = 3\frac{1}{4} \times \frac{2}{13}$, $C = 3 \div \frac{2}{3}$ arrange A, B, C in ascending order.



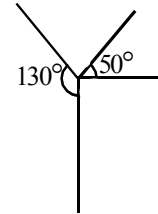
- 4)
 - i) Write the temperature of the cities indicated on number line.
 - ii) Which city has maximum temperature?
 - iii) Which city has minimum temperature?



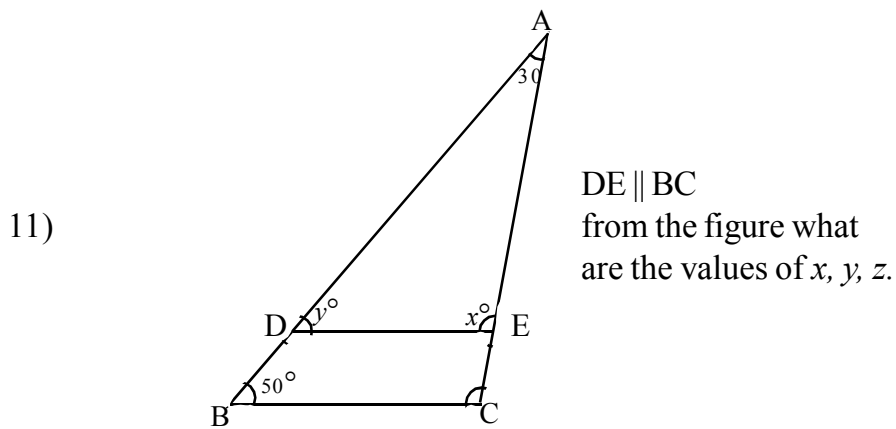
Write all the angles formed in the given diagram and classify them into acute and obtuse angle.

II Answer the following questions given below

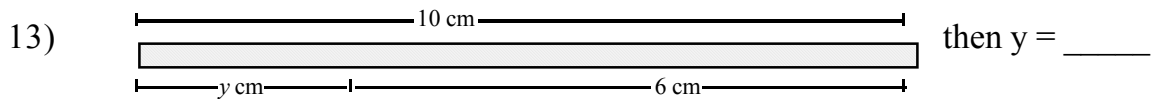
- 6) Find the average of 3.28, 4.21 and 4.51
- 7) Solve $14 = 27 - x$
- 8) If a number is doubled and added '7' the result is 49. Find the number!



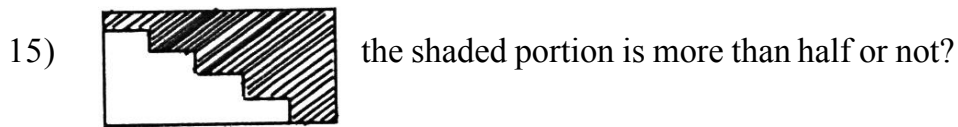
- 9) Can we call these two angles as linear pair
- 10) Can a pair of angles that are adjacent be supplementary? Justify with your answer..



- 12) I am a number, double me and add 36, to reach hundred I need four, then who am I? express in a Mathematical sentence.

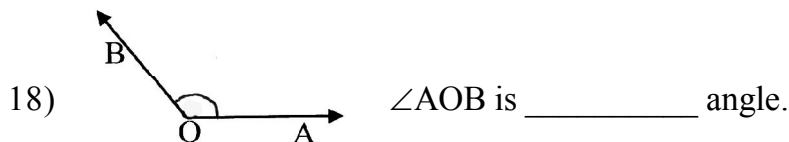


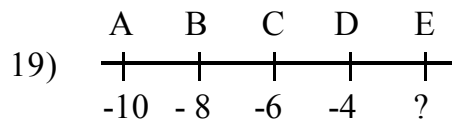
- 14) Expand 25.406



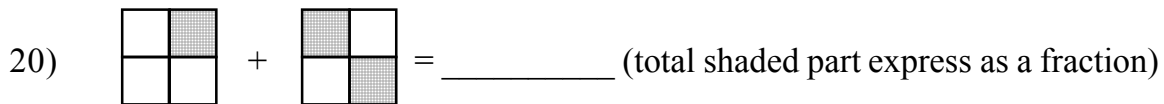
III Fill in the blanks.

- 16) Supplemnetary angle of 105° is _____
- 17) $4.5 - 1.2 = \dots\dots\dots + 2.2$

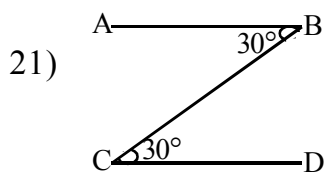




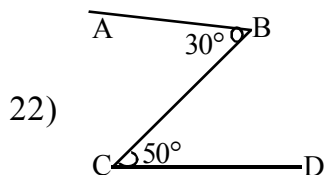
Value at E is _____



IV Match the following



- [] A) 5
- [] B) 3.13



- [] C) $AB \parallel CD$
- [] D) $AP \parallel CD$

23) $0 + \frac{1}{10} + \frac{3}{100} =$

- [] E) -1

24) If $2 + y = 7$, then $y =$

- [] F) 1.3

25) $(-1) \times (-1) \times (-1) \times (-1) \times (-1)$

- [] G) 0.13