

PRACTISE MCQ FOR CLASS 10 CHAPTER 3

WRITE 'T' IN BOXES FOR CORRECT OPTION...

1. Graphically, the pair of linear equations $2x+4y=6$ and $4x+8y=8$ representing two lines which are:
 - a) Intersecting at one point
 - b) Coincident lines
 - c) Parallel lines
 - d) Intersecting at two points
2. If a pair of linear equations is consistent, then the lines will be
 - a) Parallel
 - b) Coincident
 - c) Intersecting & coincident
 - d) Intersecting
3. The pair of equations $X=2$ and $X=4$ has
 - a) One solution
 - b) No solution
 - c) Many solution
 - d) Two solution
4. The graph of equation $Y=-3$ is parallel to
 - a) Y axis
 - b) X axis
 - c) Both X and Y
 - d) None of these
5. The graph of equation $3X+4Y=7$ is
 - a) Curve
 - b) Horizontal
 - c) Straight line
 - d) Vertical
6. The sum of digits of two digit number is 9. If 9 is added to it, the digits of given number get reversed. The number is
 - a) 72
 - b) 36

c) 45

d) 63

7. The pair equations $ax+2y=7$ and $3x+by=16$ represent parallel lines if

a) $2a=3b$

b) $a=6b$

c) $a=b$

d) $ab=6$

8. If the lines given by $2x+ky=3$ and $4x-6y=9$ are parallel then the value of k is

a) 3

b) -6

c) 6

d) -3

9. Two numbers are in the ratio 5 : 6. If 8 is subtracted from each of the numbers, the ratio becomes 4 : 5. Then the numbers are:

a) 40, 42

(b) 42, 48

(c) 40, 48

(d) 44, 50

10. In a competitive examination, one mark is awarded for each correct answer while $\frac{1}{2}$ mark is deducted for every wrong answer. Radha answered 100 questions and got 70 marks. How many questions did she answer correctly?

a) 85

b) 80

c) 75

d) 70

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