

INTERNATIONAL INDIAN SCHOOL, RIYADH

WORK SHEET 2017-2018 ACADAMIC YEAR

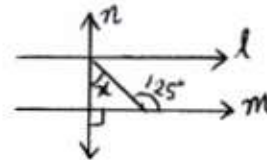
Std. VII

SUBJECT: MATHEMATICS CHAPTER - 5

Lines and Angles

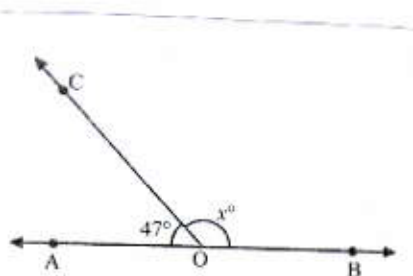
1. An angle having a measure of _____ is equal to its supplement.
2. Two angles forming a linear pair are _____ to each other.
3. the sum of all the angles on the same side of a line at a given point is _____.
4. if two parallel lines are cut by a transversal, then each pair of corresponding angle is _____.
5. If two lines are intersected by a transversal such that corresponding angles are equal, then the given lines are _____.
6. A line that intersects two or more lines at distinct points is called _____.
7. If two angles of a triangle are 35° and 75° then its third angle is _____.
8. The sum of the angles of a triangle is _____.
9. In an _____ triangle , the median and altitudes are given by the same line segment.
10. The acute angles of right triangles are _____.

11. In the following figure , determine the value of x
12. Find the compliments of each of the following angles?
a) 42° b) 74° c) x°

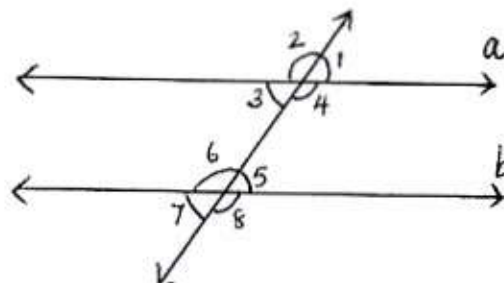


13. Write the supplement of each of the following angles?
a) 115° b) 10° c) 48°

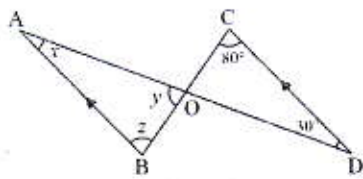
14. In figure AOB is a straight line OC stand on it. If $\angle AOC$ and $\angle BOC = x^\circ$, find the value of x ?



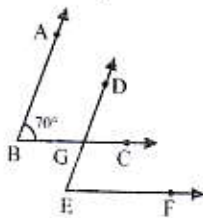
15. In figure all l , and m is transversal if $\angle 1 = 50^\circ$, find the measure of all the other angle?



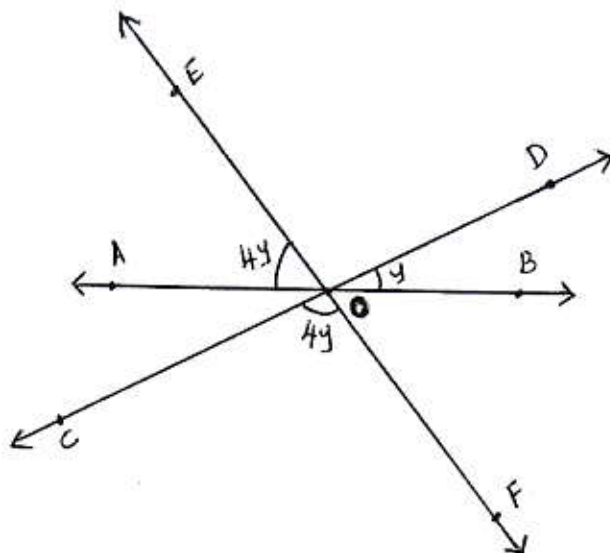
16. In Figure $AB \parallel CD$. Find the value of x, y, z ?



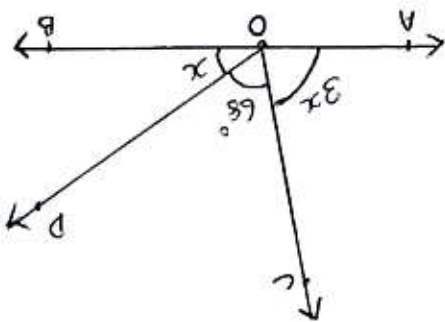
17. The arms of two angles are parallel. If $\angle ABC = 70^\circ$, then find $\angle DGC$ and $\angle DEF$.



18. Determine the value of Y ?



19. In figure, AOB is a straight line, Find x ?



Answers

1) 90°	2) supplementary	3) 180°	4) equal	5) parallel	6) transversal	7) 70°
8) 180°	9) equilateral	10) complimentary	11) 35°	12) a) 48° b) 74° c) $(90-x)^\circ$	13) a) 65° b) 170° c) 132°	14) $x = 133^\circ$
15) $\angle 1 = 50^\circ$ $\angle 2 = 130^\circ$	16) $x = 30^\circ$ $y = 70^\circ$ $z = 80^\circ$	17) 70°	18) $y = 20$	19) 28	20)	

Best of luck

