

VII-MATHS WORKSHEET

1. SIMPLE EQUATIONS

I. SOLVE

(i) $7y + 5 = 19$

(y = 2)

(ii) $\frac{3k + 9}{6} = 5$

(k = 7)

(iii) $a + 5 = 11$

(a = 6)

(iv) $12a + 4 = 40$

(a = 3)

(v) $\frac{2x}{4} = 11$

(x = 22)

(vi) $\frac{3m}{7} = 9$

(m = 21)

(vii) $2a - 4 = 6$

(a = 5)

(viii) $4(x + 3) = 20$

(x = 2)

(ix) $8x - 5 = 2 + 19$

(x = 4)

(x) $\frac{2m}{7} + 6 = 10$

(m = 14)

(xi) $3(2x - 1) + 5 = 14$

(x = 2)

(xii) $2z - (7 - 5z) - 21 = 0$

(z = 4)

(xiii) $\frac{8x}{3} + 4 = 12$

(x = 3)

(xiv) $3(y - 1) = 2(2y - 6)$

(y = 11)

(xv) $5 - 6(-2) + 13 = 6$

(x = -4)

II. Set up equations and solve.

(i) Add 7 to 3 times a number, you get 34. Find the number. (x = 9)

(ii) Subtract 23 from thrice a number the result is 7. find the number.

(x = 10)

(iii) Anmol's mother is 4 years more than 3 times Anmol's age. Find Anmol's age if mother is 40 years old.

(iv) Tony scored twice as many runs as Kohli. Together they scored 6 short of triple century. How many runs did each score? (196, 98).

(v) The three angles of a triangle are in the ratio 2:3:5. Find the measure of each angle. Classify the triangle (36, 54, 90) . (right angled triangle).

MATHS WORKSHEET

2. Lines & Angles

1) Find the complement of the angles:

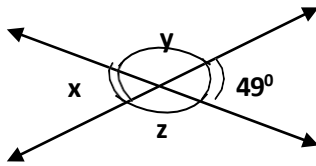
- a) 56° b) 47° c) 12° d) 81°

2) Find the supplement of the angles:

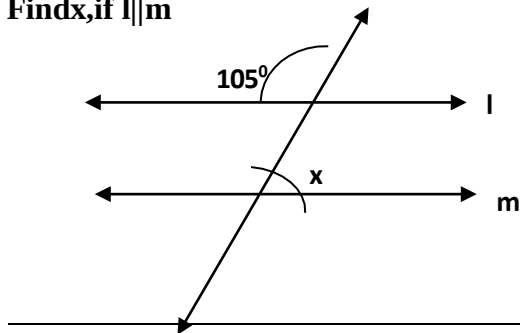
- a) 135° b) 87° c) 39° d) 112°

3) Find the supplement of the angles:

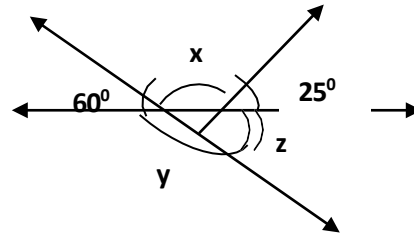
a)



Find x , if $l \parallel m$



b)



b)

