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(Affiliated to CBSE up to +2 Level)

CLASS: VII

SUB.: MATHS

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Exercise 4(B)

1. First give step you will use to separate variable and then solve the equations.

- (a) $x + 2 = 4$ (b) $x + 5 = 7$
(c) $2x - 3 = 5$ (d) $y + 5 = 27$
(e) $y - 7 = 0$ (f) $z + 5 = 5$
(g) $s - 7 = 7$ (h) $z - 5 = + 5$
(i) $3l = 57$ (j) $2x = 36$
(k) $y + 5 = 4$

2. First give step you will use to separate the variable and then solve the equations.

- (a) $3x = 45$ (b) $5m + 7 = 17$
(c) $\frac{10p}{3} = 20$ (d) $\frac{x}{5} = -3$

(e) $x + \frac{1}{3} = \frac{4}{3}$ (f) $10p = 500$

(g) $20p + 5 = 45$ (h) $4s = -20$

(i) $2p + 8 = 0$ (j) $2q + 6 = 2$

(k) $3s = 0$ (l) $2q + 6 = 15$

(m) $3s + 15 = -3$ (n) $25 + q = 20$

(o) $-4 + s = 7$

3. Solve the following:

(a) $4m + 5 = 17$ (b) $2x - 5 = 4x + 5$

(c) $7x - 5 = -5$ (d) $2y - 5 = +7$

(e) $5 - 2y = 7$ (f) $17 - 4y = -7$

(g) $22 - 3s = 1$

Exercise 4(C)

1. Solve the following equations.

(a) $\frac{2x}{3} + \frac{5}{2} = 4$

(b) $\frac{a}{5} + 4 = 3$

(c) $5t + 25 = 10$

(d) $7x - 6 = 5x - 2$

(e) $2x - \frac{1}{3} = 2 - x$

(f) $8x - 3 = 9 + 4x$

(g) $8m + \frac{19}{2} = 16$

(h) $\frac{4x}{3} = 7 - x$

(i) $\frac{x}{6} + 5 = \frac{x}{3} + \frac{x}{4}$

(j) $\frac{x+2}{3} = \frac{3x-2}{5}$

(k) $5(2x-3) - 3(3x-7) = 5$

(l) $\frac{2(t+3)}{3} = \frac{3t-8}{2}$

(m) $\frac{2}{3}x = \frac{3}{8}x + \frac{7}{12}$

(n) $28 = 4 + 3(t+5)$

2. Solve the following equations for x .

(a) $2x - \frac{1}{3} = \frac{1}{3} + x$

(b) $3(x-5) = 24$

(c) $-4(x-2) = 9$

(d) $0 = 12 + 3(m-5)$

(e) $4 = 5(p-5)$

(f) $34 - 5(p+1) = 4$

(g) $4(5x+2) = 28$

(h) $4(2x-3) + 5(3x-4) = 14$

3. (a) Construct 3 equations with $x = 5$