

WINTER HOLIDAY HOME ASSIGNMENT (Class -VI)

SOLVE THE FOLLOWING QUESTIONS IN CLASS WORK COPY ONLY.

Solve the following linear equations

1) $2X - \frac{1}{2} = 3$

2) $3(X+6) = 24$

3) $\frac{X}{2} = -\frac{X}{3} + 1$

4) $3(X+2) - 2(X-1) = 7$

5) $6(1-4X) + 7(2 + 5X) = 53$

6) $16(3X-5) - 10(4X-8) = 40$

7) $\frac{n}{4} - 5 = \frac{n}{6} - \frac{1}{2}$

8) $\frac{2m}{3} + 8 = \frac{m}{2} - 1$

9) $\frac{2X}{5} - \frac{3}{2} = \frac{X}{2} + 1$

10) $\frac{X-3}{5} - 2 = \frac{2X}{5}$

11) $\frac{3X}{10} - 4 = 14$

12) $\frac{3}{4}(X-1) = X - 3$

13) From the sum of $3x^2 + 2y^2$, $-x^2 - 4y^2 + 2xy$ and

$6xy + 2x^2 - 3y^2$, subtract $-5x^2 + 2y^2 - 3x$

14) Find the value of $2x + 3y + 1$ if $x = 3$ and $y = -2$

15) Subtract the sum of $2a + 3b$, $a - 2b + c$, $-a + 2c$ and $4a + 2b - 5$

from $6a - 4b + 8$

16) Write expressions for a) 4 taken away from x

b) x taken away from 4

17) Write statements for a) $\frac{4}{5}(a + 5)$

b) $\frac{4}{5}a + 5$