

UNIT 12 – ALGEBRA

1. (a) $10y - 3y + 2z$

(b) $4w + w - 2z$

(c) $4a \times b \times c$

2. Simplify in its simplest form: $\frac{6a}{8b}$

3. Simplify: $8m - 6n + 2m + 5n$.

4. Find the value of A if $A = 2(l - b)$, when $l = 8$ and $b = 5$.

5. If $a = 12$ and $b = 8$. Find the value of $a + b$.

6. Evaluate $2p - 2q$, if $p = 7$ and $q = 4$.

7. Evaluate: $3x + 4y$, if $x = 3$ and $y = 4$.

8. Evaluate: $3p - 4q$, if $p = 5$ and $q = 3$.

9. If $a = 7$ and $b = 5$, find the value of: $2a - b$.
10. If $b = 5$, $c = 4$ and $d = 5$, find the value of $d(bc)$.
11. If $x + 10 = 45$, what is the value of x ?
12. What is the value of p in the equation: $5p + 7 = 37$.
13. Find the value of y . $6y + 7 = 49$.
14. Solve the following equation: $7y + 3 = 52$.
15. What is the value of p in: $7p + 9 = 65$.
16. Solve the equation: $6y - 8 = 28$.
17. solve the equation: $3m + 4 = 40$.
18. Find the value of q in the equation: $4q - 6 = 42$.
19. Solve the following equation: $2y + 5 = 15$.
20. Solve: $7y - 3 = 25$.