

Factorization: Worksheet -6

1. Division of a multinomial $p(x)$ by another multinomial $q(x)$ is possible only if the degree of $p(x)$ is _____ than the degree of $q(x)$.
2. Factorise the expression $3x(1 + m) - 5y(1 + m)$ is _____
3. If $a - b = 2$ and $a^2 - b^2 = -12$, then $a + b$ is _____
4. $(x^4 + x^2 + 1) = (x^2 + x + 1) \times P$ then $p =$ _____
5. Write any one of the factor of $a^6 - 1$ is _____.
6. $(4 - x)^2 - 2x = (x - k) (x - 2)$ then $k =$ _____
7. If $a^2 + b^2 + c^2 = 29$; $ab + bc + ca = 26$ then $a + b + c =$ _____
8. $3x - 4x - \frac{1}{2}x + \frac{3}{2}x =$ _____
9. The value of $1.23 \times 1.23 - 0.17 \times 0.17$ is _____
10. $(a^2 + bc) (a^2 - bc) =$ _____

