

Factorization: Worksheet -2

1. The factors of $6a^2 + 15ab$ are _____
2. $52 \times 52 - 48 \times 48 =$ _____
3. $(x^2 - 9) \div (x - 3) =$ _____
4. If $3y - \frac{1}{2y} = 5$, the value of $9y^2 + \frac{1}{4y^2} =$ _____
5. If $x^2 + x + k$ is a perfect square, then the value of k is _____
6. If $y^2 - 14y + (k + 7)$ is a perfect square, then the value of k is _____
7. If $4l^2 + (k + 10)lm + 25m^2$ is a perfect square, then the value of k is

8. $(2x + 3y)(2x - 3y) =$ _____
9. The factors of $a^2 - b^2$ are _____
10. The G.C.F of $10a$, $4a^2$ and $6a^3$ is _____

