

Factorization: Worksheet -1

1. $(x+3) \times 4 =$ _____
2. $8x+16=8(\text{_____})$
3. $(a+b)(c+d)=$ _____
4. _____ should be added to make $9x^2 + 25y^2$ a perfect square.
5. _____ is to be subtracted from $a^2 + b^2$ to make it a perfect square.
6. $\sqrt{a^2 + 2ab + b^2} =$ _____
7. _____ should be subtracted from $(a+b)^2$ to get $(a-b)^2$.
8. _____ should be subtracted from $(a-b)^2$ to get $(a+b)^2$.
9. $(2x+3y)^2 + (2x-3y)^2 =$ _____
10. $(3x+4y)^2 - (3x-4y)^2 =$ _____

