

7. $x^2 + 6x + 9$

8. $x^2 + 8x + 16$

Factored Form: _____

Factored Form: _____

Standard form of a Quadratic Equation: _____

Steps to determine the “c-value” of a perfect square trinomial:

1. _____

2. _____

9. $x^2 + 10x + \underline{\hspace{2cm}}$

10. $x^2 + 12x + \underline{\hspace{2cm}}$

Factored Form: _____

Factored Form: _____

11. $x^2 + 6x + \underline{\hspace{2cm}}$

12. $x^2 + 4x + \underline{\hspace{2cm}}$

Factored Form: _____

Factored Form: _____

13. $x^2 + 8x + \underline{\hspace{2cm}}$

14. $x^2 + 14x + \underline{\hspace{2cm}}$

Factored Form: _____**Factored Form:** _____

15. $x^2 + 20x + \underline{\hspace{2cm}}$

16. $x^2 + 30x + \underline{\hspace{2cm}}$

Factored Form: _____**Factored Form:** _____**Standard form of a Quadratic Equation:** _____

Steps to determine the “b-value” of a perfect square trinomial:

1. _____2. _____

17. $x^2 + \underline{\hspace{2cm}} + 49$

18. $x^2 + \underline{\hspace{2cm}} + 64$

Factored Form: _____**Factored Form:** _____

19. $x^2 + \underline{\hspace{2cm}} + 36$

Factored Form: _____

20. $x^2 + \underline{\hspace{2cm}} + 16$

Factored Form: _____

21. $x^2 + \underline{\hspace{2cm}} + 4$

Factored Form: _____

22. $x^2 + \underline{\hspace{2cm}} + 100$

Factored Form: _____

23. $x^2 + \underline{\hspace{2cm}} + 144$

Factored Form: _____

24. $x^2 + \underline{\hspace{2cm}} + 81$

Factored Form: _____

Partner Practice

1. Simplify $(x + 6)^2$

2. Express in factored form: $x^2 + 10x + 25$

3. $x^2 + \underline{\hspace{2cm}} + 16$

4. $x^2 + \underline{\hspace{2cm}} + 36$

Factored Form: _____

Factored Form: _____

5. $x^2 + 10x + \underline{\hspace{2cm}}$

6. $x^2 + 14x + \underline{\hspace{2cm}}$

Factored Form: _____

Factored Form: _____

