

Name: _____

Date _____

Topic: Completing the Square - Worksheet 1

1. $x^2 + 8x - 6 = 0$

2. $x^2 + 6x + 9 = 0$

3. $2x^2 - 20x - 64 = 0$

4. $x^2 + 16x + 24 = 0$

5. $x^2 + 4x + 10 = 0$

6. $x^2 + 8x + 7 = 0$

7. $x^2 + 24x - 16 = 0$

8. $x^2 + 4x - 3 = 0$

What values would be placed in the boxes to create perfect square trinomials?

9. $x^2 + 16x + \square$

10. $x^2 - 3x + \square$



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Topic: Completing the Square - Worksheet 2

1. $x^2 + 20x - 96 = 0$

2. $x^2 + 4x + 3 = 0$

3. $2x^2 - 8x - 192 = 0$

4. $x^2 + 8x + 5 = 0$

5. $x^2 + 18x + 65 = 0$

6. $x^2 + 18x + 56 = 0$

7. $x^2 + 12x - 28 = 0$

8. $x^2 + 6x - 27 = 0$

What values would be placed in the boxes to create perfect square trinomials?

9. $x^2 + 6x - \square$

10. $x^2 + 10x + \square$



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Topic: Completing the Square - Worksheet 3

1. $x^2 + 10x - 56 = 0$

2. $x^2 + 8x + 1 = 0$

3. $3x^2 - 6x - 144 = 0$

4. $x^2 - 4x + 2 = 0$

5. $x^2 + 6x - 16 = 0$

6. $x^2 + 2x - 80 = 0$

7. $x^2 + 4x - 60 = 0$

8. $x^2 + 8x - 9 = 0$

What values would be placed in the boxes to create perfect square trinomials?

9. $x^2 + 2x - \square$

10. $x^2 + 6x - \square$



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Topic: Completing the Square - Worksheet 4

1. $x^2 + 8x - 33 = 0$

2. $x^2 + 6x + 7 = 0$

3. $2x^2 - 8x - 64 = 0$

4. $x^2 - 4x - 4 = 0$

5. $x^2 + 2x - 2 = 0$

6. $x^2 + 4x + 10 = 0$

7. $x^2 + 14x - 72 = 0$

8. $x^2 + 4x - 21 = 0$

What values would be placed in the boxes to create perfect square trinomials?

9.

$x^2 - 4x - \square$

10.

$x^2 + 8x + \square$



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Topic: Completing the Square - Worksheet 5

1. $x^2 + 16x - 57 = 0$

2. $x^2 + 6x - 7 = 0$

3. $3x^2 - 18x - 81 = 0$

4. $x^2 - 4x + 6 = 0$

5. $x^2 + 20x + 40 = 0$

6. $x^2 + 2x - 8 = 0$

7. $x^2 - 16x + 15 = 0$

8. $x^2 - 12x + 32 = 0$

What values would be placed in the boxes to create perfect square trinomials?

9. $x^2 + 4x - \square$

10. $x^2 - 6x + \square$

