

Name: _____

Date _____

Topic : Combining Like Terms (Difficult) - Worksheet 1

Simplify each equation.

1 $20x^2 - 4 + 7x^2 + 5$ = _____

2 $5x^2 + 5 + 7x - 3$ = _____

3 $2x^2 - 4x - 4 + 2x$ = _____

4 $3x^2 - 6x - 30 - 3x$ = _____

5 $50x^2 - 44 + 7x^2 - 18$ = _____

6 $80 + 9x^2 - 5 - 6x^2$ = _____

7 $50 + 2x + 2x^2 + 18x$ = _____

8 $3x^2 + 20x^2 - 5 + 9x^2$ = _____

9 $10x + 3 + 3 + 4x^2$ = _____

10 $6x^2 + 8x - 3x^2 + 5$ = _____



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Topic : Combining Like Terms (Difficult) - Worksheet 2

Simplify each equation.

1 $25x^2 - 4 + 5x^2 + 10$ = _____

2 $8x^2 + 5 - 18x + 2$ = _____

3 $4x^2 - 9 + 8x^2 - 3x$ = _____

4 $8x^2 + 28x - 8x + 8$ = _____

5 $30x^2 + 14 + 7x^2 - 18$ = _____

6 $80 + 9x^2 - 5 - 6x^2$ = _____

7 $-50 + 3x + 2x^2 + 12x$ = _____

8 $3x^2 + 20x^2 - 5 + 9x^2$ = _____

9 $24x + 7 + 13 + 4x^2$ = _____

10 $6x^2 + 25x + 4x^2 + 15$ = _____



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Topic : Combining Like Terms (Difficult) - Worksheet 3

Simplify each equation.

1 $25x^2 - 2 + 7x^2 + 3$ = _____

2 $8x^2 - 10x^2 + 2$ = _____

3 $3x^2 + 7 + 4x^2 + 14x$ = _____

4 $3x^2 + 10x + 8 + 4x$ = _____

5 $40x^2 + 20 + 5x^2 - 11$ = _____

6 $90 + 12x^2 - 10 - 7x^2$ = _____

7 $5 + 8x + 7x^2 + 4x$ = _____

8 $6x^2 + 40x^2 - 5 + 7x^2$ = _____

9 $7x + 10 - 7 + 4x^2$ = _____

10 $6x^2 + 13x - x^2 + 6$ = _____



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Topic : Combining Like Terms (Difficult) - Worksheet 4

Simplify each equation.

1 $30x^2 - 7 + 19x^2 + 10$ = _____

2 $5x^2 - 16x - 2x + 9$ = _____

3 $3x^2 + 7 + 4x^2 + 14x$ = _____

4 $8x^2 + 20x + 6 - 6x$ = _____

5 $25x^2 + 15 + 5x^2 - 8$ = _____

6 $45 + 17x^2 - 10 - 5x^2$ = _____

7 $5 - 10x + 9x^2 - 8x$ = _____

8 $2x^2 + 50x^2 - 9 + 6x^2$ = _____

9 $14x - 6 + 6x^2 + 10$ = _____

10 $7x^2 + 16x - x^2 + 8$ = _____



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Topic : Combining Like Terms (Difficult) - Worksheet 5

Simplify each equation.

1 $84x^2 - 9 + 19x^2 + 7$ = _____

2 $7x^2 - 12x - 2x + 7$ = _____

3 $2x^2 + 6 + 3x^2 + 13x$ = _____

4 $7x^2 + 20x + 6 - 3x$ = _____

5 $37x^2 - 15 - 55x^2 - 8$ = _____

6 $84 + 15x^2 - 10 + 8x^2$ = _____

7 $6 + 27x + 5x^2 - 10x$ = _____

8 $3x^2 - 10x^2 - 9 - 76x^2$ = _____

9 $29x + 28 + 10x^2 - 10$ = _____

10 $5x^2 + 17x + 2x^2 + 6$ = _____

