Simplifying Expressions

Name:

Simplify each expression by combining like terms.

1) $3+6-12+10$

2) $-4y^{9}-9+14x^{8}-5+1y^{9}$

3) $1z+4-2-14z$

4) $-1x^{5}+15-13x^{5}$

5) $-8x^{2}-6z+6x^{2}-5x^{2}-7z-12y^{5}$

6) $-10z-15y^{3}+4y^{6}-4z-2y^{6}$

7) $-4x^{5}-14y^{6}+12y-9y$

8) $-9x+4x+11x+6z-2x$

9) $1x^{4}-15x^{4}-6y^{6}+5x^{4}-11x$

10) $8-10x^{2}+15x^{2}+14$

11) $-15y+12-11x^{8}-8x^{8}-10+8x^{8}$

12) $-14y-7x^{6}-6+7+7y$

13) $14x^{5}-6z-3y-5x^{5}+9y$

14) $3z-8z-5x^{9}-3z+14x+3x^{9}$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Simplifying Expressions

Name: **Answer Key**

Simplify each expression by combining like terms.

1) $3+6-12+10$

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7) $-4x^{5}-14y^{6}+12y-9y$

8) $-9x+4x+11x+6z-2x$

9) $1x^{4}-15x^{4}-6y^{6}+5x^{4}-11x$

10) $8-10x^{2}+15x^{2}+14$

11) $-15y+12-11x^{8}-8x^{8}-10+8x^{8}$

12) $-14y-7x^{6}-6+7+7y$

13) $14x^{5}-6z-3y-5x^{5}+9y$

14) $3z-8z-5x^{9}-3z+14x+3x^{9}$

Answers

1. 7
2. $-3y^{9}-14+14x^{8}$
3. $-13z+2$
4. $-14x^{5}+15$
5. $-7x^{2}-13z-12y^{5}$
6. $-14z-15y^{3}+2y^{6}$
7. $-4x^{5}-14y^{6}+3y$
8. $4x+6z$
9. $-9x^{4}-6y^{6}-11x$
10. $22+5x^{2}$
11. $-15y+2-11x^{8}$
12. $-7y-7x^{6}+1$
13. $9x^{5}-6z+6y$
14. $-8z-2x^{9}+14x$

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						