Simplify each expression by combining like terms.

1) $3z+13x-4z+11x$

2) $9y^4-2y^7+10y^7-11y^4+14y$

3) $-4z-5y^5+14y^5$

4) $9y^5+15y^5-4y^5-8x+13y$

5) $10x+13y^5-8y^5-2x+6y+14y^5$

6) $3x+2y+6y$

7) $6y-15y^5+6y+3y$

8) $11x^7+1x^7+14y$

9) $-2z+9y+6z-13y^5+5z$

10) $-1y^5-5y-7y^5$

11) $11x^9+14x^9-11x^9-2y^7$

12) $3y^9+2y-13z-6z+12y^9$

13) $-12+1-15+9y$

14) $15-14+9-10x^9-10x^9-15y^4$

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**

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9) $-2z+9y+6z-13y^5+5z$

10) $-1y^5-5y-7y^5$

11) $11x^9+14x^9-11x^9-2y^7$

12) $3y^9+2y-13z-6z+12y^9$

13) $-12+1-15+9y$

14) $15-14+9-10x^9-10x^9-15y^4$

Answers

1. $-1z+24x$
2. $-2y^4+8y^7+14y$
3. $-4z+9y^5$
4. $20y^5-8x+13y$
5. $8x+19y^5+6y$
6. $3x+8y$
7. $15y-15y^5$
8. $12x^7+14y$
9. $9z+9y-13y^5$
10. $-8y^5-5y$
11. $14x^9-2y^7$
12. $15y^9+2y-19z$
13. $-26+9y$
14. $10-20x^9-15y^4$

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