

Simplifying Polynomial Expressions

Simplify the following polynomial expressions.

1) $8x^3 + 9x - 4x^3 + x$

2) $2y^2 + 3y - 5y^2 + y^5$

3) $t^4 - 11 - 2t^4$

4) $u^4 - u^2(3u^2 - 2)$

5) $-6v^4 - 16 + 10v^4$

6) $7a^2 + 13 - 8a^2$

7) $-18 + 9b^2 + 6$

8) $6p^5 + 7p - 5p^5 - 9p$

Simplifying Polynomial Expressions Answer key

Simplify the following polynomial expressions.

1) $8x^3 + 9x - 4x^3 + x$

 $4x^3 + 10x$

2) $2y^2 + 3y - 5y^2 + y^5$

 $y^5 - 3y^2 + 3y$

3) $t^4 - 11 - 2t^4$

 $-t^4 - 11$

4) $u^4 - u^2(3u^2 - 2)$

 $-2u^4 + 2u^2$

5) $-6v^4 - 16 + 10v^4$

 $4v^4 - 16$

6) $7a^2 + 13 - 8a^2$

 $-a^2 + 13$

7) $-18 + 9b^2 + 6$

 $9b^2 - 12$

8) $6p^5 + 7p - 5p^5 - 9p$

 $p^5 - 2p$