

LESSON 30: Multiplying Monomials and Polynomials

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Homework
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Directions: Find the products.

1. $6x(4x^2 - 3x)$

2. $3y^3(5y^2 - y)$

3. $5x(3x^2 - x)$

4. $m^3n(6m^2 - 6m + n)$

5. $-3x^3y(4x^3 - 3y - 1)$

6. Find the area of a rectangle that has a width of $2x$ and a length of $2x^2 - 7x + 5$.

7. Find the area of a rectangle that has a length of x^4 and a width of $3x - 9$.

8. $-4m^3(6m^4 - 9m)$

9. $6x^2(x^3 + 2x)$

10. $-xy^3(4 - x)$