3.7 Multiplying Polynomials

Use the DISTRIBUTIVE PROPERTY to multiply polynomials

- Multiply each term of the first polynomial with each term of the second polynomial.
- Collect like terms and simplify.

Example 1: Expand and Simplify.

$(-3 x)(4 x)+(-3 x)(1)$

c) $\begin{aligned} & \left(4 x^{2}-3 x+1\right) \\ & \text { only term being } \\ & \text { multiplied right now. }\end{aligned}$

d) $2(x+1) \oplus 3(x-4)$
$2(x)+2(1)+3(x)+3(-4)$


$$
(x)(x)+(x)(-4)+(1)(x)+(1)(-4)
$$

choose 10 questions between \# 1-25; choose 10 questions between \#32-58 F.\&P.-C. 10 (ski p\#44)

