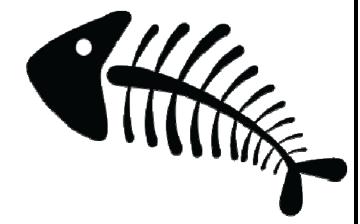
Polynomial Multiplication - Step-by-Step Lesson

Find the product and make sure to simplify your answer.

$$-3x (4x^2 - x + 10)$$



Explanation:

In algebra when we use the distributive property, we are expanding or distributing.

Now, we will solve this equation. We will distribute the -3x.

$$-3x (4x^2 - x + 10)$$

 $-3x (4x^2 - x + 10)$ multiply each term by -3x

$$= -3x (4x^2) -3x (-x) -3x (10)$$

$$= -12x^3 + 3x^2 - 30x$$

So, the answer is $-12x^3 + 3x^2 - 30x$.