

8.5 Factoring by Distributive Property DAY 2

We used the distributive property to multiply a monomial by a polynomial.

Now we will use the distributive property to write a polynomial in FACTORED form

$$\begin{array}{l} \text{Multiplying} \\ \hline 3(a + b) = \end{array}$$

$$\begin{array}{l} \text{Factoring} \\ \hline 3a + 3b = \end{array}$$

I Factor Out the Greatest Common Factor

a) $15w - 9x$

b) $4p^2q - 4q$

Factor

c) $21a - 15a^2$

d) $14c^2 + 2c$

.

Factor. **Use GROUPING for 4 terms**

$$6ax + 3ay + 2bx + by$$

Factor by grouping:
g) $3np+15p -4n -20$