

Welcome to the 1st day of 3rd quarter!!

Warm - Up
2/1

Simplify

$$5x(2x^2 + 3y)$$

$$5x \cdot 2x^2 + 5x \cdot 3y$$

*Dist.
prop*

$$5 \cdot 2 \cdot x^1 \cdot x^2 + 5 \cdot 3 \cdot x \cdot y$$

$$10x^3 + 15xy$$

Multiplying Multivariable Binomial Factors

Help options

Mon & Fri: afterschool 3-4:30 pm
media

017 1st lunch

math center 106D all lunch

Simplify.

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$$(4r + r^2)(2s^2 + 1)$$

	$4r$	r^2
$2s^2$	$4r \cdot 2s^2$ $8rs^2$	$r^2 \cdot 2s^2$ $2r^2s^2$
1	$4r$	r^2

$$2r^2s^2 + 8rs^2 + r^2 + 4r$$

Simplify

$$(ab - b^2)(b^2 + ba)$$

$$\underline{ab \cdot b^2} + \underline{ab \cdot ba} + \underline{-b^2 b^2} + \underline{-b^2 \cdot ba}$$

$$\cancel{ab^3} + a^2b^2 + -b^4 + \cancel{-ab^3}$$

$a \cdot a \cdot b \cdot b$ $-b \cdot b \cdot b \cdot b$

$$a^2b^2 - b^4$$

Simplify.

$$(a+b)(2a+b+1)$$

$$\begin{array}{r} 2a^2 + ab - a \\ \hline -2ab - b^2 + b \end{array}$$

$$2a^2 - ab - b^2 - a + b$$

Simplify

$$(8n - m)(8n + m)$$

$$64n^2 + 8mn - 8mn - m^2$$

$$64n^2 - m^2$$

$$8nm + 8nm$$

$$64n^2m$$

$$-$$

$$+$$

$$-$$

$$-$$

Homework (due 2/5)
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