Block: *Algebra Daily 5 Week 3*

Tuesday

Multiply
$5x^2(3x^2 - 8x + 12)$

$=15x^4-40x^3+60x^2$

Simplify the expression
$(5x + 2) + (x + 3) + \sqrt{12} \cdot \sqrt{75}$

$4x+5+\sqrt{12}\cdot\sqrt{75}$

$4x+5+30$

$4x+35$

Factor the GCF from
$15x^4 - 40x^3 + 60x^2$

$5x^2$ $5x^2$ $5x^2$

$5x^2(3x^2-8x+12)$

Describe the product of the following as rational or irrational. Explain your reasoning.

$(\sqrt{9})(-3\sqrt{25})$

$(3)(-15)$

Rational

$\sqrt{2}\cdot\sqrt{2}=\sqrt{4}=2$

$\sqrt{2}\cdot\sqrt{8}=\sqrt{16}=4$

Factor the GCF from
$24x - 72 - 60x^2$

$\frac{-60x^2}{-12}+\frac{24x}{-12}-\frac{72}{-12}$

$-12(5x^2-2x+6)$

Completion Stamp