Warm - Up (boards today)
1/10

Simplify. Write your answer in standard form

$$-3h^7 + 3h^4(-2h^2) - (6h^2)(-2h^5)$$

$(+6h^6) - (-12h^7)$ $= -3h^7 + 6h^6 +$

$9h^7 + 6h$

$6 + 7$

$-3h^7 + 18h^{13}$

$-21h^{20}$

$-21h^{20}$

Multiplying Two Linear Binomial Factors Using FOIL

p. 76

F irst

O utside

I nside

L ast

Simplify

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

F O I L

$$3x \cdot x + 3x \cdot 4 + -1 \cdot x + -1 \cdot 4$$

First Outside Inside Last

$$3x^2 + 12x - x - 4$$

$$3x^2 + 11x - 4$$

Simplify

$(m + -3)(m + -4)$

$m \cdot m + m \cdot -4 + -3 \cdot m + -3 \cdot -4$

$m^2 + -4m + -3m + 12$

$m^2 - 7m + 12$

Simplify

$$(4-p)(2p+7)$$

$8p + 28 + -2p^2 + -p7$

$-2p^2 + 8p - 7p + 28$

$-2p^2 + p + 28$

Simplify

$$(s^3 - 1)(-s^2 + 4)$$

Homework (due 1/15)

p.76 (23 - 28)