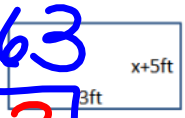
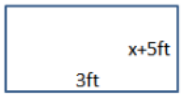
Name: Block: *Algebra I Week 5*

Day 1	Day 2
Simplify (6x – 7)(4x – 9) $24x^2 - 54x - 28x + 63$ $24x^2 - 82x + 63$	Write and solve an equation for x that would give th rectangle a ***perimeter*** of 300 ft. 
Identify the terms, coefficients, constants, and factors $7x^3 - 9xy - 12$ Terms $7x^3, -9xy, -12$ Coefficients $7, -9$ Constants -12 Factors $7 \cdot x^3, -9 \cdot x \cdot y, -4 \cdot 3$	Write an expression with x that would give this recta area. Use the expression to find the area if x = 4. 
What is the simplest form of the radical $3x\sqrt{75x^2y^5}$? $3x\sqrt{25 \cdot 3 \cdot x^2 \cdot y^4 \cdot y}$ $\cdot 5 \cdot x$ $\cdot y^2$ $15x^2y^2\sqrt{3y}$	What is the simplified product of the following rad $-2\sqrt{25x^4}$ and $5x^2\sqrt{8x^3}$?
What is the simplest form of the expression below? $3x\sqrt{8} \cdot 5x\sqrt{2x}$ $15x^2\sqrt{16x}$ $\cdot 4$ $60x^2\sqrt{x}$	Convert 1022 cups into gallons. (2 cups = 1 pint, 2 pints = 1 quart, 4 quarts = 1G)
What is the simplest form of the expression below? $-3\sqrt{28x} + 4\sqrt{63x}$? $-3\sqrt{4 \cdot 7 \cdot x} + 4\sqrt{9 \cdot 7 \cdot x}$ $\cdot 2$ $\cdot 3$ $-6\sqrt{7x} + 12\sqrt{7x}$ $-6x + 12x$ $6x$ $6\sqrt{7x}$	Convert 523 weeks into years. (7 days = 1 week, 365 days = 1 year)