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| 1. What property justifies the following:

$$ 6\left(x+5\right) to 6x+30$$ |  |
| 1. $What is the solution to the following equation?$

$$5\left(x+2\right)=7(4-x)$$ |  |
| 3.$$The expression 5\sqrt{7} is the simplified version of $$$$A. \sqrt{1225} B. \sqrt{245} C. \sqrt{175} D. \sqrt{35}$$ |  |
| 4. Which expression is equivalent to $\left(2x^{2}-5x+6\right)-(-4x^{2}+3x)$1. $-2x^{2}-5x+6$ B. $6x^{2}-8x+6$ C. $2x^{4}-5x+3x+6$

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| 5. What is the value of 3x+4y if $\frac{1}{3}$=x and $\frac{1}{2}=y$ |  |
| 6. Solve ***3n – t = s for t*** |  |
| 7. Solve ***-2(3a – b) = c for b***  |  |
| 8. Bricklayers use the formula *N = 7LH* to estimate the number of bricks *N* needed to build a wall of height *H* and length *L.** 1. Solve the equation for H.
	2. What is the height of a wall that is 30 feet long and that requires 2310 bricks to build?
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| 9. Solve -5 $\left|3x+6\right|$ if x =-5 |  |
| 10. Label the coordinate grid with these vocabulary words: **y-axis, x-axis, origin. POINT A (-1,0) Point B (3, -2)** |  |