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Warm Up - October 4th

complete on your board - make sure your homework (including scratch work are on your desk) $(3x^3 + 4x^2) - l(2x^3 + 3x^2 - x)$

$$(3y^{2} + 5y - 6) + (7y^{2} - 9)$$

$$3y^{2} + 5y - 4x + 7y^{2} - 9$$

$$10y^{2} + 5y - 15$$

$$(3x^{3} + 4x^{2}) - |(2x^{3} + 3x^{2} - x)|$$

$$3x^{3} + 4x^{2} - 2x^{3} - 3x^{2} + x$$

$$|x^{3} + |x^{2} + x|$$

$$|x^{3} + |x^{2} + x|$$

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$$5 \\ (-4-10x+6x^{4})-1(2x-3) \\ -4-10x+6x^{4}-2x+3 \\ -1-12x+6x^{4}$$

$$6x^{4}-12x-1$$

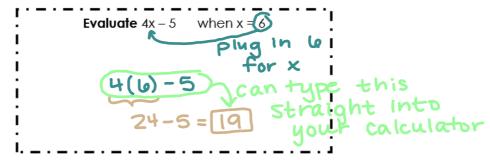
Foundations of Algebra

Unit 4

Day 4: Evaluating Expressions

When you evaluate an expression, you are replacing the variable with what the

variable equals:



Practice: Evaluate the following expressions if m = 7, r = 8, and t = -2.

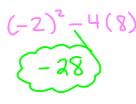


b.
$$\frac{r}{t}$$

$$(-2)$$







Application: Answer the following questions:

- ># of lawns 1. You earn 15n dollars for mowing n awns.

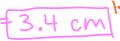
earned

a. How much do you earn for mowing 1 lawn?



- b. How much do you earn for mowing 9 lawns? > plug in 9 for n 15(9) = \$135
- 2. After m months, the length of a fingernail (s 10 + 3m millimeters.
 - a. How long is the fingernail, in centimeters, after 8 months? Plug in for m

of months





b. How long is the fingernail after three years?

$$+0+3(3)^3$$

10+3(36)=/118 mm

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