

April 15, 2015

- * Quiz #9 - Friday
- * Exam #3 - Wednesday
- * Last Day of Class - Friday
- * Tinop - Monday, April 27

Apr 15-10:56 AM

11.1
#14) $x^2 + x$

a.) $1 \cdot \frac{1}{2} = \frac{1}{2}$

b.) $(\frac{1}{2})^2 = \frac{1}{4}$ *add to both sides*

$x^2 + x + \frac{1}{4}$

P.S.S

$(x + \frac{1}{2})^2$

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#11) $x^2 + 14x$

a.) $14 \cdot \frac{1}{2} = 7$

b.) $(7)^2 = 49$

$x^2 + 14x + 49$

$(x + 7)^2$

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11.1
#17) $2x^2 - 2x = 3$ *Must be a "one"!*

$\frac{2x^2}{2} - \frac{2x}{2} = \frac{3}{2}$

$x^2 - x = \frac{3}{2}$

a.) $-1 \cdot \frac{1}{2} = -\frac{1}{2}$

b.) $(-\frac{1}{2})^2 = \frac{1}{4}$ *add to both sides*

$x^2 - x + \frac{1}{4} = \frac{3}{2} + \frac{1}{4} = \frac{6+1}{4}$

P.S.S

$\sqrt{(x - \frac{1}{2})^2} = \sqrt{\frac{7}{4}}$

$x - \frac{1}{2} = \pm \frac{\sqrt{7}}{2}$

$x = \frac{1}{2} \pm \frac{\sqrt{7}}{2} = \frac{1 \pm \sqrt{7}}{2}$

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$x = \frac{1 - \sqrt{7}}{2}; 2x^2 - 2x = 3$

$2\left(\frac{1 - \sqrt{7}}{2}\right)^2 - 2\left(\frac{1 - \sqrt{7}}{2}\right) = 3$

$2\left(\frac{(1 - \sqrt{7})(1 - \sqrt{7})}{4}\right) - \frac{2 + 2\sqrt{7}}{2} = 3$

$2\left(\frac{1 - \sqrt{7} - \sqrt{7} + 7}{4}\right) - \frac{2}{2} + \frac{2\sqrt{7}}{2} = 3$

$\frac{8 - 2\sqrt{7}}{2} - \frac{2}{2} + \frac{2\sqrt{7}}{2} = 3$

$\frac{8 - 2\sqrt{7} - 2 + 2\sqrt{7}}{2} = 3$

$\frac{8 - 2}{2} = 3$

$\frac{6}{2} = 3$

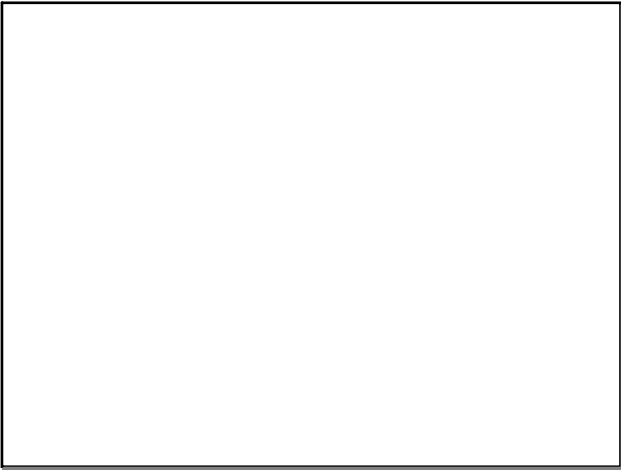
$3 = 3 \checkmark$

Apr 15-11:21 AM

Friday's Assignment

- ① Complete the Square on $\frac{ax^2}{a} + \frac{bx}{a} + \frac{c}{a} = \frac{0}{a}$
- ② Check the result from ①

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Apr 15-11:51 AM