## Bellwork Alg 2A Thursday, March 16, 2017

Find all real EXACT solutions to each quadratic equation. Use Factoring, Square Roots, and the Quadratic Formula. Each method must be used once.

1. 
$$9x^2 - 6x = 19$$

$$2x^2 + 3x - 14 = 0$$

3. 
$$7x^2 - 31 + x^2 = 449$$

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$$1. \quad 9x^2 - 6x = 19 \quad \text{QUAD}$$

$$\frac{6^{2}-4ac=720}{6^{2}\sqrt{720}} = \frac{6\pm12\sqrt{5}}{18} = \frac{1\pm2\sqrt{5}}{3}$$

ing sings and this state is a single

$$(2X+7)(X-2)=0$$
  
 $X=-\frac{7}{2},2$ 

3. 
$$7x^{2} - 31 + x^{2} = 449 \begin{cases} 59 \text{ REDTS} \end{cases}$$

$$8x^{2} - 31 = 449 \begin{cases} 49 \end{cases}$$

$$8x^{2} = 480 \end{cases}$$

$$x^{2} = 460$$

$$x = \pm 160 \Rightarrow x = \pm 275$$