

January 29, 2016  
18 ?

Jan 29-11:09 AM

$$x^2 - 7x + c$$

$\textcircled{a} \frac{-7}{1} \cdot \frac{1}{2} = -\frac{7}{2}$   
 $\textcircled{b} \left(-\frac{7}{2}\right)^2 = \frac{49}{4}$

$$x^2 - 7x + \frac{49}{4} \text{ P.S.T.}$$

$$\left(x - \frac{7}{2}\right)^2$$

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$$x^2 - 10x + 18 = 0$$

$$x^2 - 10x = -18$$

$\textcircled{a} \frac{-10}{1} \cdot \frac{1}{2} = -5$   
 $\textcircled{b} (-5)^2 = 25$

$$x^2 - 10x + 25 = -18 + 25$$

$$\sqrt{(x-5)^2} = \pm\sqrt{7}$$

$$x - 5 = \pm\sqrt{7}$$

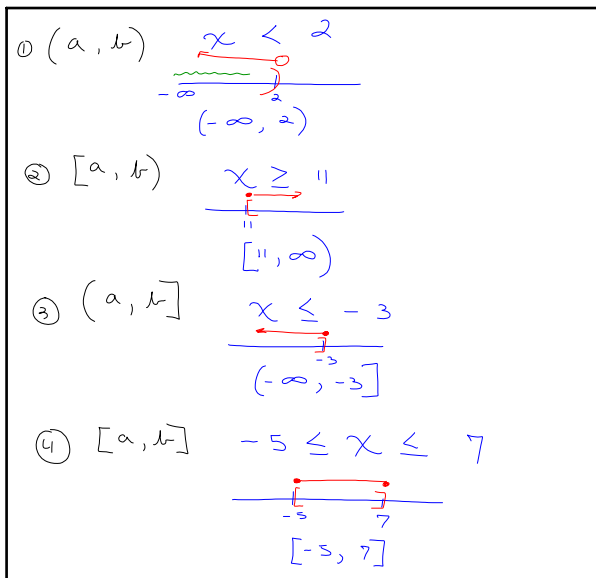
$$x = 5 \pm \sqrt{7}$$

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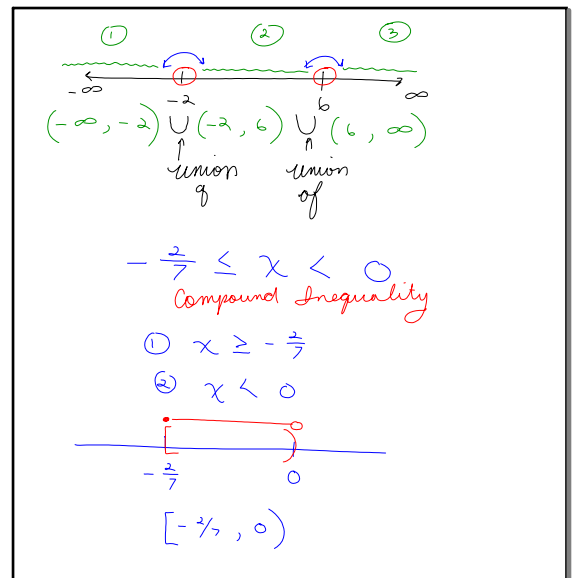
Inequalities

- \* Solve using same methods to solve equations.
- \* If multiply / Divide by a negative number, then change the inequality symbol to its opposite

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