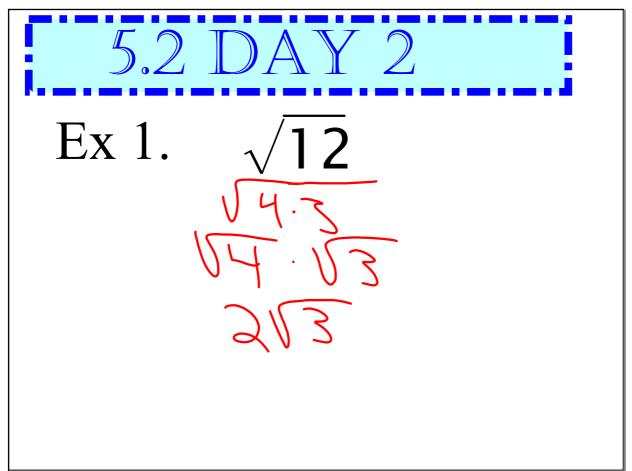
5.2

Topic: Reducing Radicals

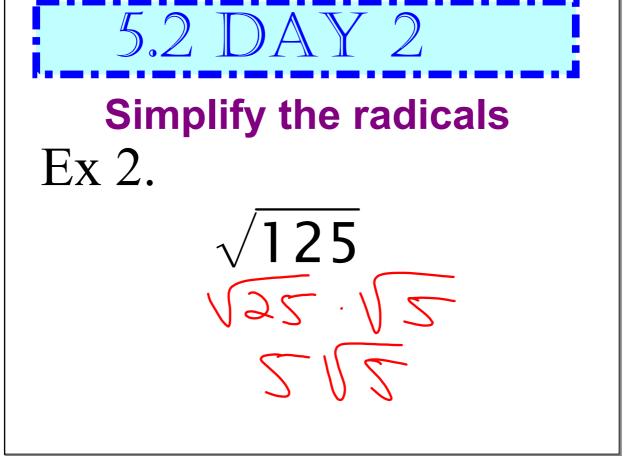
How can you solve a quadratic equation and apply it with real world applications?

Dec 5-9:07 AM

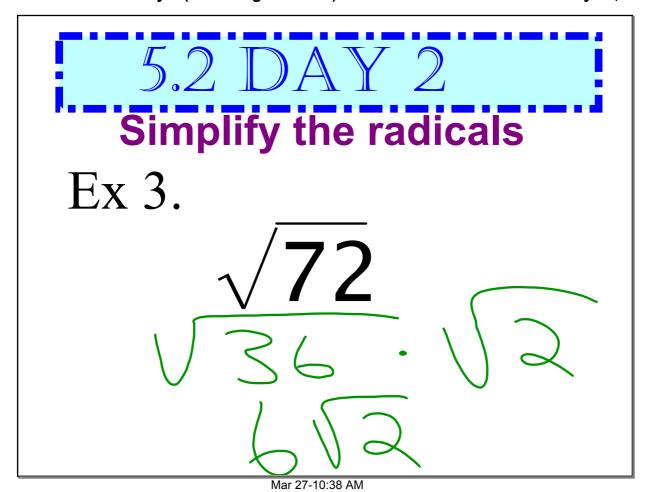
| $ \begin{array}{c} 1^2 = 1 \\ 2^2 = 4 \\ 3^2 = 9 \\ 4^2 = 16 \\ 5^2 = 25 \\ 6^2 = 36 \\ 7^2 = 49 \\ 8^2 = 64 \\ 9^2 = 81 \end{array} $ | $ 11^{2}=121 $ $ 12^{2}=144 $ $ 13^{2}=169 $ $ 14^{2}=196 $ $ 15^{2}=225 $ $ 16^{2}=256 $ $ 17^{2}=289 $ $ 18^{2}=324 $ $ 19^{2}=361 $ | $21^{2}=441$ $22^{2}=484$ $23^{2}=529$ $24^{2}=576$ $25^{2}=625$ $26^{2}=676$ $27^{2}=729$ $28^{2}=784$ $29^{2}=$ |
|--|--|---|
| $\begin{array}{c c} 9^2 = 81 \\ 10^2 = 100 \end{array}$ | 19^{2} 361 20^{2} 400 | 29²= |



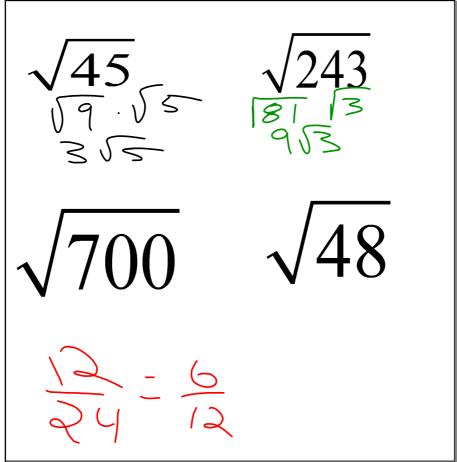
Dec 5-9:07 AM



Dec 5-9:07 AM



Simplifying Radicals Simplify the radical $\sqrt{50}$ $\sqrt{2s} \cdot \sqrt{2}$ $\sqrt{3}$



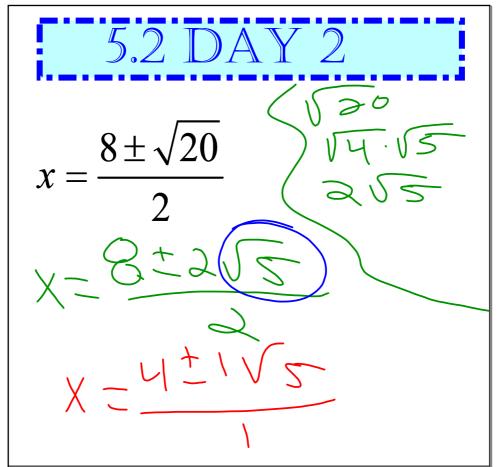
Feb 14-7:51 AM

Simplifying Radicals

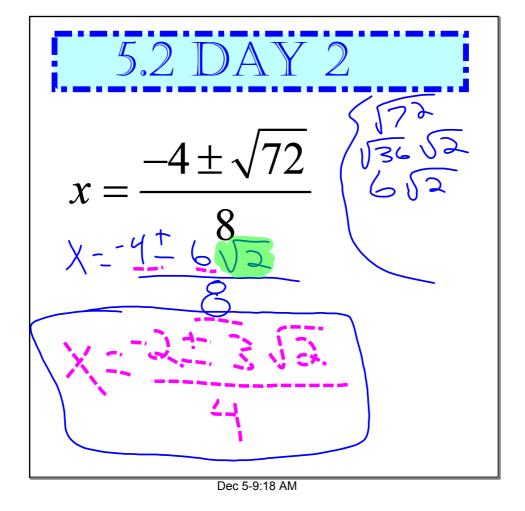
Simplify the radical

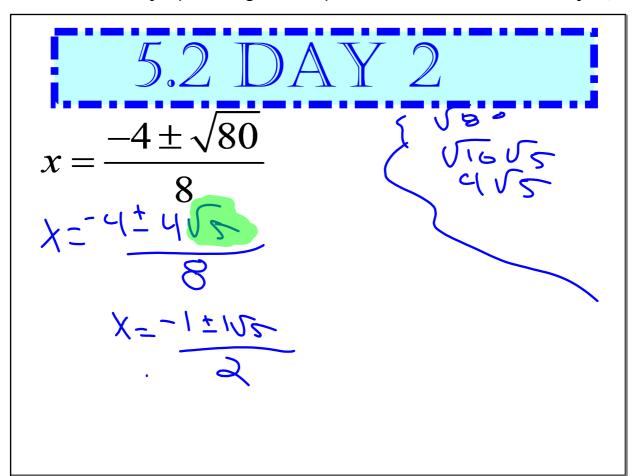
$$\sqrt{35}$$



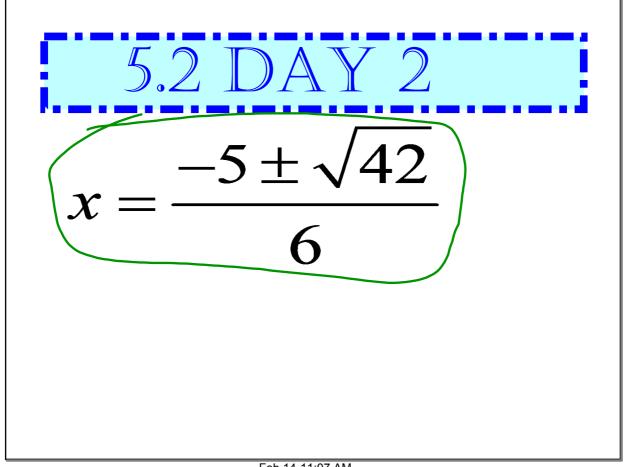


Mar 27-10:38 AM

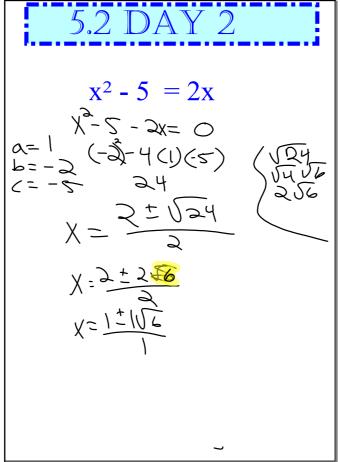




Feb 14-7:53 AM



Feb 14-11:07 AM



Mar 27-10:38 AM

$$2x^{2} - 12x = -14 + 4x$$

$$2x^{2} - 16x = -14$$

$$2x^{2} - 16x + 14 = 0$$