

## Question # 85369, Math / Algebra

**Task:** Which strategy is the most appropriate strategy to solve  $x^2 - 8x = 242$ ?  
zero product property  
completing the square  
square root property

**Answer:**  
completing the square

**Solution:**  
 $x^2 - 8x = 242 \Rightarrow x^2 - 8x + 16 = 242 + 16 \Rightarrow (x - 4)^2 = 258 \Rightarrow x - 4 = \pm\sqrt{258} \Rightarrow x = 4 \pm \sqrt{258}$