

Pag 77

221111 - ①

$$18a) \quad x^2 - 9 = 0 \quad || \quad x^2 = 9 \quad \rightarrow \quad x = \sqrt{9} = \pm 3$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} = \frac{\pm \sqrt{-4 \cdot 1 \cdot -9}}{2 \cdot 1} = \frac{\pm \sqrt{36}}{2}$$

$$= \frac{\pm 6}{2} = \begin{cases} +3 \\ -3 \end{cases}$$

18b)  $x^2 - 7 = 0 \Rightarrow x^2 = 7 \Rightarrow \underline{\underline{x = \pm\sqrt{7}}}$

18c)  $4x^2 - 5 = 0 \rightarrow 4x^2 = 5 \parallel x^2 = \frac{5}{4} \parallel x = \pm\sqrt{\frac{5}{4}} =$   
 $= \frac{\pm\sqrt{5}}{2}$

18d)  $7x^2 - 6 = 0 \parallel 7x^2 = 6 \parallel x^2 = \frac{6}{7} \parallel x = \pm\sqrt{\frac{6}{7}} =$

18e)  $2x^2 - 32 = 0 \parallel 2x^2 = 32 \parallel x^2 = \frac{32}{2} = 16 \parallel x = \sqrt{16} = \pm 4$

18f)  $x^2 + 6 = 0 \parallel x^2 = -6 \parallel x = \pm\sqrt{-6} = \text{No tiene Soluci3n}$

18g)  $x^2 + 9 = 0 \parallel x^2 = -9 \parallel x = \pm\sqrt{-9} \rightarrow \text{No tiene Soluci3n}$

18h)  $10x^2 + 11 = 0 \parallel 10x^2 = -11 \parallel x^2 = -\frac{11}{10} \parallel x = \pm\sqrt{-\frac{11}{10}}$   
No tiene Soluci3n

18i)  $3x^2 + 4 = 0 \parallel 3x^2 = -4 \parallel x^2 = \frac{-4}{3} \parallel x = \pm\sqrt{\frac{-4}{3}}$   
No tiene Soluci3n

18j)  $3x^2 - 243 = 0 \parallel 3x^2 = 243 \parallel x^2 = \frac{243}{3} = 81$

$x = \pm\sqrt{81} = \pm 9$