

## 4-5 Solving Polynomial Equations

**Solve each equation.**

58.  $8x^4 + 10x^2 - 3 = 0$

**ANSWER:**

$$\pm \frac{1}{2}, \pm i \frac{\sqrt{6}}{2}$$

59.  $6x^4 - 5x^2 - 4 = 0$

**ANSWER:**

$$\pm \frac{2\sqrt{3}}{3}, \pm i \frac{\sqrt{2}}{2}$$

60.  $20x^4 - 53x^2 + 18 = 0$

**ANSWER:**

$$\pm \frac{3}{2}, \pm \frac{\sqrt{10}}{5}$$

61.  $18x^4 + 43x^2 - 5 = 0$

**ANSWER:**

$$\pm \frac{1}{3}, \pm i \frac{\sqrt{10}}{2}$$

62.  $8x^4 - 18x^2 + 4 = 0$

**ANSWER:**

$$\pm \sqrt{2}, \pm \frac{1}{2}$$

63.  $3x^4 - 22x^2 - 45 = 0$

**ANSWER:**

$$\pm 3, \pm i \frac{\sqrt{15}}{3}$$