

**LESSON 103 ANSWERS** .....

1.  $x = \pm\sqrt{8}$   
 $x = \pm 2\sqrt{2}$

2.  $x = \pm\sqrt{49}$   
 $x = \pm 7$

3.  $x^2 = 16$   
 $x = \pm\sqrt{16}$   
 $x = \pm 4$

4.  $x^2 = 20$   
 $x = \pm\sqrt{20}$   
 $x = \pm 2\sqrt{5}$

5.  $x^2 = 54$   
 $x = \pm\sqrt{54}$   
 $x = \pm 3\sqrt{6}$

6.  $x^2 = 43$   
 $x = \pm\sqrt{43}$

7.  $x^2 = 121$   
 $x = \pm\sqrt{121}$   
 $x = \pm 11$

8.  $x^2 = 27$   
 $x = \pm\sqrt{27}$   
 $x = \pm 3\sqrt{3}$

9.  $x^2 = 4$   
 $x = \pm\sqrt{4}$   
 $x = \pm 2$

10.  $x^2 = 48$   
 $x = \pm\sqrt{48}$   
 $x = \pm 4\sqrt{3}$

11.  $2x^2 = 100$   
 $x^2 = 50$   
 $x = \pm\sqrt{50}$   
 $x = \pm 5\sqrt{2}$

12.  $6x^2 = 216$   
 $x^2 = 36$   
 $x = \pm\sqrt{36}$   
 $x = \pm 6$

13.  $3x^2 = 54$   
 $x^2 = 18$   
 $x = \pm\sqrt{18}$   
 $x = \pm 3\sqrt{2}$

14.  $5x^2 = 55$   
 $x^2 = 11$   
 $x = \pm\sqrt{11}$

15.  $2x^2 = 64$   
 $x^2 = 32$   
 $x = \pm\sqrt{32}$   
 $x = \pm 4\sqrt{2}$

16.  $7x^2 = 63$   
 $x^2 = 9$   
 $x = \pm\sqrt{9}$   
 $x = \pm 3$

17.  $-9x^2 = -9$   
 $x^2 = 1$   
 $x = \pm\sqrt{1}$   
 $x = \pm 1$

18.  $2x^2 = 162$   
 $x^2 = 81$   
 $x = \pm\sqrt{81}$   
 $x = \pm 9$

19.  $x^2 = 108$   
 $x = \pm\sqrt{108}$   
 $x = \pm 6\sqrt{3}$

20.  $-x^2 = -51$   
 $x^2 = 51$   
 $x = \pm\sqrt{51}$