Solving "Simple" Square & Cube Equations Worksheet

Solve the equations involving a square. Write answers as integers or in decimal form, rounded to the hundredths place if necessary.

1) $x^2 = 64$

2) $x^2 = 121$

3) $x^2 = 16$

4) $x^2 = 50$

5) $x^2 = 12$

6) $x^2 = 8$

7) $x^2 = -9$

8) $x^2 = -49$

9) $x^2 = -10$

10) $x^2 + 8 = 48$

11) $7x^2 = 42$

12) $6x^2 + 1 = 31$

13) $-2 + 2x^2 = 144$

14) $-5x^2 = 500$

15) $25x^2 = 81$

Solve the equations involving a cube. Write answers as integers or in decimal form, rounded to the hundredths place if necessary.

16) $x^3 = 125$

17) $x^3 = 216$

18) $x^3 = 1000$

19) $x^3 = -8$

20) $x^3 = -729$

21) $x^3 = -27$

22) $x^3 = 4$

23) $x^3 = 80$

24) $x^3 = 500$

25) $2x^3 = 90$

26) $x^3 - 7 = 14$

27) $6x^3 + 40 = -8$