

Solving Using Radicals Worksheet

Solve each equation by taking square roots.

1) $m^2 = 81$

2) $p^2 = 82$

3) $b^2 + 4 = 76$

4) $x^2 + 3 = 27$

5) $m^2 + 8 = 33$

6) $-9x^2 = 504$

7) $8v^2 + 4 = 444$

8) $5m^2 + 5 = 90$

9) $8x^2 + 7 = 263$

10) $10k^2 - 5 = -165$

11) $(x + 3)^2 - 4 = 23$

12) $2(x - 6)^2 = 50$

13) $-\frac{1}{2}(x + 2)^2 + 8 = 12$

14) $(x - 5)^2 - 15 = 30$

15) $3(x + 6)^2 - 7 = -21$

16) $\frac{1}{4}(x + 6)^2 + 4 = 10$

17) $-(x - 10)^2 - 4 = 12$

18) $2(x - 7)^2 + 9 = 107$

19) $(x + 6)^2 - 4 = 40$

20) $-7(x - 8)^2 = 112$