

SM3-A HW 5-2 (Radical Equations)

Date _____ Period _____

Solve each equation. Remember to check for extraneous solutions.

1) $6\sqrt{\frac{x}{7}} = 18$

2) $6 = \sqrt{m+6} + 3$

3) $30 = 10\sqrt{p+1}$

4) $\sqrt{1-7x} + 10 = 18$

5) $p = \sqrt{2-p}$

6) $\sqrt{-12+8n} = n$

7) $\sqrt{-6+7n} = n$

8) $n = \sqrt{-60+16n}$

9) $x+1 = \sqrt{6x-3}$

10) $8 + \sqrt{10-x} = x$

11) $\sqrt{6m+15} = m+4$

12) $\sqrt{4a} - a = 1$