Honors Pre Calculus Name_____

Unit 3, Section 4: Solving Radical Equations

Date_____ Period____

Solve each equation or inequality. Remember to check for extraneous solutions.

1) $\sqrt{5-19n}=9$

2) $6=\sqrt{n+10}$

3) $\sqrt{\frac{n}{8}}=\sqrt{2n-15}$

4) $\sqrt{2-2r}=\sqrt{-2-3r}$

5) $n=\sqrt{-18+11n}$

6) $\sqrt{-27+12r}=r$

7) $n+2=\sqrt{2n+3}$

8) $\sqrt{2b+13}=b-1$

9) $-4 = -2\sqrt{9 - x}$

10) $-10\sqrt{38 - p} = -60$

11) $-2 = \sqrt{2v - 5} - \sqrt{4v - 3}$

12) $\sqrt{5 - m} = -1 + \sqrt{2m - 4}$