Algebra 2 (Conway)

Name_____

7.5 - Solving Rational Exponent Equations (Day 5)   Date_____ Period_____

Solve each equation. *Check for extraneous when necessary*

1) $\sqrt{13m - 3} = 6$

2) $6 = \sqrt{3a + 9}$

3) $\sqrt{2n + 8} = \sqrt{12 - 2n}$

4) ~~$\sqrt{2 + b} = b$~~

5) $8 = \sqrt{x + 1}$

6) $\sqrt{9x} = \sqrt{8x + 1}$

7) $27 = r^{\frac{3}{4}}$

8) $512 = m^{\frac{3}{2}}$

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