Algebra 2   Name_____
HW #25

Solve each equation. Remember to check for extraneous solutions.

1) $\dfrac{1}{2n} - 1 = \dfrac{1}{n}$

2) $\dfrac{x-2}{2x^2} = \dfrac{1}{6x} + \dfrac{2}{x}$

3) $\dfrac{4}{x^2 + 6x + 8} = \dfrac{1}{x+4} - \dfrac{1}{x^2 + 6x + 8}$

4) $\dfrac{1}{3} = \dfrac{n}{3n+9} + 1$

5) $\dfrac{x-1}{5} - \dfrac{1}{5x} = \dfrac{1}{x}$

6) $\dfrac{1}{b+1} + \dfrac{2}{b^2 - 1} = 1$