Name_____

Solving Rational Equations

Date_____ Period____

Solve each equation. Remember to check for extraneous solutions.

2) $\frac{1}{n^2} + \frac{1}{n} = \frac{1}{2n^2}$

4) $\frac{b+6}{4b^2} + \frac{3}{2b^2} = \frac{b+4}{2b^2}$

6) $\frac{1}{6x^2} = \frac{1}{2x} + \frac{7}{6x^2}$

8) $\frac{1}{m^2 - m} + \frac{1}{m} = \frac{5}{m^2 - m}$

10) $\frac{1}{r-2} + \frac{1}{r^2 - 7r + 10} = \frac{6}{r-2}$

12) $\frac{r-4}{5r} = \frac{1}{5r} + 1$

14) $1 = \frac{1}{x^2+2x} + \frac{x-1}{x}$

16) $\frac{r+5}{r^2-2r} - 1 = \frac{1}{r^2-2r}$

18) $\frac{a-2}{a+3} - 1 = \frac{3}{a+2}$

20) $\frac{5}{n^3+5n^2} = \frac{4}{n+5} + \frac{1}{n^2}$