12-7b Solving Rational Equations

Name _____

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Solve. Check your answer.

14.
$$\frac{3}{a-4} = \frac{a}{a-2}$$
 15. $\frac{r}{2} - \frac{2}{r} = \frac{5}{6}$

25.
$$\frac{8}{x-2} = \frac{2}{x+1}$$
 26. $\frac{12}{3n-1} = \frac{3}{n}$

27.
$$\frac{x}{x+4} = \frac{x}{x-1}$$
 28. $\frac{9}{x+5} = \frac{4}{x}$

30.
$$\frac{1}{2x} + \frac{1}{4x} = \frac{7}{8x}$$
 32. $\frac{9}{m} - \frac{3}{2m} = \frac{15}{m}$

34.
$$\frac{r}{3} - 3 = -\frac{6}{r}$$