**EMA Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Solving Rational Functions – Day 3 Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_**

**Solve each equation. Remember to check for extraneous solutions.**

1.) $\frac{x+1}{3\left(x-2\right)}=\frac{5x}{6}+\frac{1}{x-2}$ 2.) $\frac{r+2}{2r+1}=\frac{r}{3}+\frac{3}{4r+2}$

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3.) $\frac{x}{x-5}+\frac{3}{x+2}=\frac{7x}{x^{2}-3x-10}$ 4.) $\frac{3x}{x-1}+\frac{6x-9}{x-1}=6$

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**EMA Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Solving Rational Functions Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_**

**Solve each equation. Remember to check for extraneous solutions**.

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3.) $\frac{x}{x-5}+\frac{3}{x+2}=\frac{7x}{x^{2}-3x-10}$ 4.) $\frac{3x}{x-1}+\frac{6x-9}{x-1}=6$

5.) $\frac{2n}{1-n}+\frac{n+3}{n^{2}-1}=1$

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6.) $\frac{x-3}{2x+10}+\frac{2x-12}{1}=\frac{x^{2}+3x-18}{2x+10}$

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