

Adding/ Subtracting Rational Expressions

Date _____ Period _____

Simplify each expression.

1)
$$\frac{n-5}{18n^2+24n} - \frac{n-2}{18n^2+24n}$$

2)
$$\frac{r+3}{r^2-r-20} + \frac{r-2}{r^2-r-20}$$

3)
$$\frac{5}{6} + \frac{3x-6}{x-4}$$

4)
$$\frac{4x}{x+4} - \frac{4}{6}$$

$$5) \frac{5x}{3} - \frac{2}{3x-3}$$

$$6) \frac{3x}{3} + \frac{2}{x-2}$$

$$7) \frac{x-6}{x-5} + \frac{5}{2x}$$

$$8) \frac{2}{5n^3} + \frac{6n}{n-4}$$