

Subtracting Rational Expressions

Date _____ Period _____

Simplify each expression.

1) $\frac{x-5y}{12x^2} - \frac{x-5y}{12x^2}$

2) $\frac{x-y}{10xy^2} - \frac{x-y}{10xy^2}$

3) $\frac{4y}{4xy^2} - \frac{6}{4x^2}$

4) $\frac{4u}{6} - \frac{u+2v}{5v}$

5) $\frac{5}{5b} - \frac{4}{6}$

6) $\frac{6n}{2m^2} - \frac{2m}{6m}$

7) $\frac{5}{30v-36} - \frac{v+5}{30v-36}$

8) $\frac{3v+4}{12v+24} - \frac{4}{12v+24}$

$$9) \frac{4}{3} - \frac{v+5}{2v-10}$$

$$10) \frac{b-5}{2b^2-10b} - \frac{6}{3}$$

$$11) \frac{3v}{v-5} - \frac{4v}{v+2}$$

$$12) \frac{5p-4}{2p} - \frac{6p+5}{2p^2-4p}$$

$$13) \frac{2}{3n-2} - \frac{2}{3n+3}$$

$$14) \frac{4}{2x} - \frac{x+2}{2x^2+10x-12}$$

$$15) \frac{3v}{v+1} - \frac{6}{5v-6}$$

$$16) \frac{4}{n-2} - \frac{5}{n-6}$$