

## Review Rational Expressions

Simplify each expression.

1)  $\frac{5a}{6} - \frac{4}{5a}$

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

3)  $\frac{m+4}{3m^2-6m} - \frac{2m}{3}$

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

5)  $\frac{-5n^2+50n-45}{5n-5} \cdot \frac{1}{5n}$

6)  $\frac{6n^3+14n^2}{8n^2} \cdot \frac{8n^2}{6n+14}$

7)  $\frac{8}{2r+8} \cdot \frac{2r^2+24r+64}{8}$

8)  $\frac{56k-24}{7} \cdot \frac{6k^2}{7k-3}$

9)  $\frac{v-8}{5v^2-30v-80}$

10)  $\frac{45k+63}{45k}$

11)  $\frac{2n^2-7n+6}{3n^2-12n+12}$

12)  $\frac{35x^2+21x}{49x^2-42x}$