

## Extra Fractions Practice

Simplify each expression.

1) 
$$\frac{\frac{u-4}{u^2}}{\frac{3}{u-4}}$$

2) 
$$\frac{\frac{a}{4}}{\frac{25}{4}}$$

3) 
$$\frac{\frac{1}{x}}{\frac{x^2}{x-2}}$$

4) 
$$\frac{\frac{1}{4}}{\frac{4}{u^2}}$$

5) 
$$\frac{\frac{2}{5}}{\frac{5}{x^2} + \frac{5}{2}}$$

6) 
$$\frac{\frac{25}{m} - \frac{4m}{25}}{\frac{1}{m}}$$

7) 
$$\frac{\frac{3}{5} - \frac{1}{5}}{\frac{5}{u} + \frac{1}{5}}$$

8) 
$$\frac{\frac{1}{3} - \frac{15}{u^2}}{\frac{u^2}{9}}$$

## Extra Fractions Practice

Simplify each expression.

$$1) \frac{\frac{u-4}{u^2}}{\frac{3}{u-4}}$$

$$\frac{u^2 - 8u + 16}{3u^2}$$

$$2) \frac{\frac{a}{4}}{\frac{25}{4}}$$

$$\frac{a}{25}$$

$$3) \frac{\frac{1}{x}}{\frac{x^2}{x-2}}$$

$$\frac{x-2}{x^3}$$

$$4) \frac{\frac{1}{4}}{\frac{4}{u^2}}$$

$$\frac{u^2}{16}$$

$$5) \frac{\frac{2}{5}}{\frac{5}{x^2} + \frac{5}{2}}$$

$$\frac{4x^2}{50 + 25x^2}$$

$$6) \frac{\frac{25}{m} - \frac{4m}{25}}{\frac{1}{m}}$$

$$\frac{625 - 4m^2}{25}$$

$$7) \frac{\frac{3}{5}}{\frac{1}{u} + \frac{1}{5}}$$

$$\frac{15u}{25 + u}$$

$$8) \frac{\frac{1}{3} - \frac{15}{u^2}}{\frac{u^2}{9}}$$

$$\frac{3u^2 - 135}{u^4}$$