

## 6.2

# MULTIPLYING FRACTIONS

## Review

$$a) \frac{12}{15}$$

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

$$c) \frac{24x^2y^7}{16x^6y^2}$$

## Review

$$c) \frac{5}{6} \cdot \frac{9}{10}$$

$$d) \frac{5}{6} \cdot \frac{9}{10}$$

## Review

$$1) \frac{12}{7} \cdot \frac{14}{9}$$

$$2) \frac{8}{5} \cdot \frac{3}{4} \cdot \frac{15}{16}$$

$$3) \left(-\frac{3}{2}\right)^2 \cdot \frac{8}{9}$$

## Lesson

Simplify the following

$$4) \frac{9}{y^2} \cdot \frac{y^3}{24}$$

## Lesson

Simplify the following

$$5) \frac{2de^2}{5e^2f} \cdot \frac{f^2}{4d}$$

## Lesson

Simplify the following

$$6) \frac{x^2 + x - 12}{x^2 + 5x} \cdot \frac{x^2 - 25}{x - 3}$$

## Lesson

Simplify the following

$$7) \frac{a^2 - b^2}{a^2} \cdot \frac{a}{2(b - a)}$$

## Powers of Fractions

Simplify the following

$$8) \left(\frac{x}{2}\right)^4$$

$$9) \left(\frac{3x}{4}\right)^2$$

## Powers of Fractions

Simplify the following

$$10) \left(\frac{2a}{3b^3}\right)^2$$

$$11) \left(\frac{2x}{y}\right)^3 \cdot \frac{y^2}{4}$$