

Chapter 4 sec 2, 3  
Multiplying, Dividing Fractions

Simplify completely:

$$1) \frac{1}{2} \cdot \frac{1}{3}$$

$$2) \frac{1}{3} \cdot \frac{2}{5}$$

$$3) \frac{3}{8} \cdot \frac{8}{9}$$

$$4) \frac{-7x}{2} \cdot \frac{5}{14x^2}$$

$$5) \frac{1}{2} \div \frac{3}{5}$$

$$6) -\frac{6}{35} \div \frac{33}{55}$$

$$7) \frac{-6}{x} \div \left( \frac{-12}{x^2} \right)$$

$$8) \frac{5}{6} \div \frac{20}{19}$$

$$9) 8 \div \frac{-10}{17}$$

$$10) \frac{8}{21} \div 2$$

$$11) \frac{2}{9} \div (-8)$$

$$12) \frac{-7y^5}{8x^6} \div \frac{21y}{5x^5}$$

$$13) \frac{18}{30} \div \frac{6}{35}$$

$$14) \frac{-6x}{55y} \cdot \frac{-110y^2}{109x^2}$$