Algebra 1 Name _____

HW 9-2 #2 Date _____ Period _____

Multiplying Rational Expressions

1.

$$\frac{9x^3}{7} \cdot \frac{5}{6x^4}$$

2.

$$\frac{5}{d^2} \cdot \frac{4d^5}{3}$$

3.

$$\frac{y-2}{-2y^2-10y} \cdot \frac{4y^2+20y}{y^2-4}$$

4.

$$\frac{x^2+x-12}{5x+10} \cdot \frac{-x-2}{x^2+5x+4}$$

5.

$$\frac{5a}{2a^3 - 17a^2 - 9a} \cdot \frac{4a^2 - 20a - 144}{20}$$

6.

$$\frac{y^5}{7y^3 + 56y} \cdot (y^2 + 8)$$

7.

$$\frac{-3x}{x^2 - 7x + 10} \cdot (x - 5)$$

8.

$$\frac{2x - 6}{3x^2 - 7x - 6} \cdot (3x^2 + 14x + 8)$$