3.2 Multiply and Divide Rational Expressions

Corrective Assignment #2

NAME:_____

DATE:_____

Perform the indicated operations and reduce to lowest terms.

1. $\frac{9}{4a^2} \cdot \frac{a}{3}$	2. $\frac{35k^2+63k}{k^2-4} \div \frac{7k^2}{k+2}$	3. $\frac{\frac{3}{x}}{\frac{x}{9}}$
4. $\frac{9m}{4m^2-8m} \div \frac{3m^2}{m-2}$	5. $\frac{\frac{9}{p-1}}{\frac{p}{p^2-1}}$	6. $\frac{k^2+5k+4}{k^3+13k^2+36k} \cdot \frac{k}{k+1}$
7. $\frac{6r^2}{(r-5)} \cdot \frac{10r-50}{10}$	8. $\frac{1}{p+4} \div \frac{p+6}{p^2-5p-36}$	9. $\frac{\frac{a^2}{16}}{\frac{25}{a^2}}$
10. $\frac{7m^2-4m-3}{6m-6} \div (7m+3)$	11. $\frac{1}{2p} \div \frac{p-5}{2p^2+20p}$	12. $\frac{y^2-9}{y^2-5y-24} \cdot (y^2-64)$

ANSWERS TO CORRECTIVE ASSIGNMENT

1. $\frac{3}{4a}$	2. $\frac{5k+9}{k(k-2)}$	3. $\frac{27}{x^2}$	4. $\frac{3}{4m^2}$
5. $\frac{9(p+1))}{p}$	6. $\frac{1}{k+9}$	7. $6r^2$	8. $\frac{p-9}{p+6}$
9. $\frac{a^4}{400}$	10. $\frac{1}{6}$	11. $\frac{p+10}{p-5}$	12. $(y-3)(y+8)$