**2.5: Multiplying/Dividing Monomials**

**To multiply monomials:**

1. Multiply the numerical coefficients together.
2. Multiply the “like” variables together (use your power rules). Repeat for each different variable in the question.

Ex1) Simplify.

1.  b)  c) 

d)  e)  f) 

g)  h) 

**To divide monomials:**

1. Divide the numerical coefficients.
2. Divide the “same” variables (use your power rules). Repeat for each different variable in the question.

Ex2) Simplify.

1.  b)  c) 

 d)  e)  f) 

 g) 

Ex 3) Dividing a Polynomial by a Monomial

$$\frac{25x^{2}y-5xz}{5x}$$

More Practice:

Ex 4) Divide:

a) $\frac{25xy-15y^{2}}{5}$ b) $\frac{25x^{2}y^{2}-30xy^{4}+35x^{3}y}{5xy}$