

**7-2 Division Properties of Exponents****SIMPLIFY. Show all your work to justify your final answer for each problem. (3 pts per problem)**

1.  $\frac{9d^7}{3d^6}$

2.  $\frac{r^3t^2}{r^3t^4}$

3.  $\frac{12n^5}{36n}$

4.  $\frac{w^4x^3}{w^4x}$

5.  $\frac{a^3b^5}{ab^2}$

6.  $\frac{m^7p^2}{m^3p^2}$

7.  $\frac{-21w^5x^2}{7w^4x^5}$

8.  $\frac{32x^3y^2z^5}{-8xyz^2}$

9.  $\left(\frac{4p^7}{7r^2}\right)^2$

10.  $8^{-2}$

11.  $\frac{h^3}{h^{-6}}$

12.  $\left(\frac{5}{3}\right)^{-2}$

13.  $k^0(k^4)(k^{-6})$

14.  $k^{-1}(\ell^{-6})(m^3)$