**EXPONENT PRACTICE**

* **Simplify.**
1. $\frac{5^{2} x^{4}}{5 x^{2}}$
2. $\frac{(-2)^{3}}{(-2)^{3}}$
3. $\frac{(x^{2})^{4}}{x^{3}}$
4. $\frac{24x^{3}yz^{9}}{21xy^{5}z^{12}}$
5. $\frac{3^{4}}{3^{2}}$
6. $\frac{2 x^{4}}{10 x^{8}}$
7. $(g^{3})^{4}∙(g^{2})^{5}$
8. **-6**$c^{5}∙$ **-4**$c^{2}$
9. **Find the area for the given rectangle. Show work.**

 **5d**

 **4d + 7**

1. **Compare. Use <, >, or =**

$ $

$ (3^{2})^{5}$ **\_\_\_\_** $ 3^{8 ∙ } 3$