**Unit 1 Quiz**

  Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Simplify each of the following.
	1. $x^{2}×x^{3}$ k. $(2t^{2})^{3}$
	2. $\frac{y^{7}}{y^{6}}$ l. $\frac{(2xy^{3})^{3}}{4x^{3}}$
	3. ($y^{3})^{-3}$ m. $(x^{-4})^{0}$
	4. $\frac{a^{4}b^{-2}}{ab^{2}}$ n. ($\frac{3g^{3}h^{-3}}{g^{-3}h^{3}})^{2}$
	5. $x^{2}×x^{-5}$ o. $(-2t^{4})^{2}$
	6. $\frac{y^{9}}{y^{6}}$ p. $\frac{(3xy^{5})^{2}}{27x^{4}}$
	7. ($y^{3})^{-2}$ q. $\left(\frac{(-5x^{2}y)}{-25xy}\right)^{3}$
	8. $\frac{a^{3}b^{-3}}{ab^{3}}$ r. ($\frac{-g^{4}h^{-1}}{g^{-3}h^{2}})^{4}$
	9. ($y^{3})^{-2}$ s. $(x^{2}y)^{0}$
	10. $\frac{y^{7}}{y^{3}}$ t. $\frac{(4xy^{4})^{2}}{8x^{4}y}$