

I. Simplify each expression. Remember NO negative exponents and all expressions must be simplified. MUST SHOW WORK ON A SEPARATE SHEET TO RECEIVE CREDIT!

1.) $5(-6)^0$	2.) 8^{-4}	3.) $\frac{3^0}{2^{-5}}$	4.) $\frac{8^{-2}}{4^0}$
5.) $\frac{4 \cdot 6^{-2}}{2^{-3}}$	6.) $3^2 xy^{-3}$	7.) $\frac{b^2}{4^{-2} a^{-4}}$	8.) $\frac{2}{3^{-2} r^{-6} s^2}$
9.) $\frac{(-6)^{-2} a^5 b^{-3}}{2^{-1}}$	10.) $(3d^{-4})(5d^7)$	11.) $\frac{16}{2n^{-7} \cdot 4n^5}$	12.) $(x^{-4})^5 (3x^3 y^4)^2$
13.) $\left(\frac{m^{-3} n^4}{n^{-2}}\right)^4$	14.) $\frac{x^4 y^{-8} z^{-2}}{x^{-1} y^6 z^{-10}}$	15.) $\left(\frac{s^{-4}}{t}\right)^{-2}$	16.) $(4^{-1} \cdot v^3 \cdot 4^3)^{-2}$
17.) $(-2mr)^{-1} (4m^3 r^2)$	18.) $\left(\frac{4x^2 y}{x^2 y^4}\right)^{-3}$	19.) $(2ab^{-2} c^6)^{-4}$	20.) $\frac{(5a^2)(6b^3)}{(2a^3)(25b^{-2})}$
21.) $\left(\frac{p^{-2} q^4 r}{2p^3 q^5}\right)^{-5}$	22.) $(a^3 b^4)^{-2} (a^{-3} b^{-5})^{-4}$	23.) $\left(\frac{12a^3 b^{-2}}{3c^3}\right)^2$	24.) $\left(\frac{4ab^{-1} c^0}{5a^{-4} b}\right)^{-1}$