

Mid-Chapter 7 Study Guide

1) Simplify $-(7n)^{-2}$	2) Simplify $\frac{5}{5^{-2}}$	3) Simplify $\frac{10fg^{-5}h^0}{h^{-2}}$
4) Simplify $\frac{8m^{-2}}{4n^{-1}}$	5) Evaluate $-x^{-2}$ for $x = -2$	6) Evaluate $6x^3z^0$ for $x = -2$ and $z = 2$ .
7) Evaluate $2xy^{-2}z^2$ for $x = -2$ , $y = 4$ , and $z = 2$ .	8) Simplify: $\frac{1}{3} \cdot (2y)^0x^{-3}$	9) Simplify: $\frac{2x}{y^{-4}} \cdot \frac{3z^{-3}}{18}$
10) Simplify $\frac{3}{6^{-1}}$	11) Simplify: $x^3y^{-1} \cdot xy \cdot x^{-2}y^2$	12) Simplify: $(-7c^3d^4)(4cd^3)$
13) Simplify: $(-3j^7k^5)(-8jk^8)$	14) Simplify: $(-3f^2g^{-3})(2fg)(7f^3g^{-2})$	15) Simplify: $(4.895)^{-11}(4.895)^{11}$
16) Simplify: $-7xy^{-3}z^3(0)^{-10}$	17) Simplify: $(a^4)^6(b^5)^{-2}$	18) Simplify: $(m^2)^8(n^0)^4$
19) Simplify: $(mnp)^0$	20) Simplify: $a(a^{-3}b^{-4})^{-2}b^{-3}$	21) Simplify: $7t^{11}u^3(-4t^{-9})^2u^{-5}$