Name: _____ Date: 3rd February, 2021

INSTRUCTIONS: Simplify each expression. Use ^ symbol to represent your exponents.

(a) $3^2 \times 3^7$ =3^9	(b) $7^9 \times 7^{11}$	(c) $y^2 \times y^5$	(d) $p^5 \times p^6 \times p^3$
(e) $9^9 \div 9^2$	(f) $4^{17} \div 4^{12}$	(g) $h^6 \div h^4$	(h) $g^{15} \div g^{12} \div g^2$
(j) $3^5 \div 3^7$	(k) $5^3 \times 5^{-5}$	(l) $x^{-3} \div x^{-6}$	(m) $k^{-7} \times k^{12}$
(n) $a^{15} \times a^{-2} \times a^{-7}$	(o) $e^{-3} \div e^{-12} \div e^6$	(p) $y^5 \times y^{-7} \div y^3$	(q) $d^{-4} \div d^9 \times d^{-4}$
(r) $(s^3)^{12}$	(s) $(g^{-2})^6$	(t) $(w^5)^{-3}$	(u) $(b^{-6})^{-4}$
(v) $5t^2 \times 7t^5$	(w) $6c^5 \div 2c^3$	(x) $(9g^4)^2$	(y) $(10a^2)^3$