

6.1**Worksheet #1****In 1 - 6, evaluate the expression.**

1. $(-3)^0$	2. 7^0	3. 4^3
4. $(1^0)(2^3)$	5. $\left(\frac{2}{3}\right)^0$	6. $\left(\frac{1}{2}\right)^5$

In 7 - 20, simplify the expression. Write your answer using only positive exponents.

7. $x^2y^3(xy)$	8. $25z^0$	9. $(7x^4y^0)(2x)^2$
10. $(wx^2y^3)^8wx^2$	11. $(x^2y^7)^0$	12. $a^2b^7b^5$
13. $q^8q^8(qrs^2)^4$	14. $(-r)^4(-r)^{10}$	15. $(-8)^3 \cdot (-8)^3$
16. $7^4 \cdot 7^4$	17. $(h^3)^4$	18. $(t^2)^6s^2s^5$
19. $(-2y)^5$	20. $(3d)^4$	

21. Find y when $b^3b^{2y} = b^{11}$.