Properties of Exponents

Emphasis on Zero Exponent

Simplify each of the following:

1. $(4y^2 \cdot 2y^3)^0$ 	2. $(3h^3 \cdot h^{-2} \cdot 2^2)^0$ 
3. $(4t^2 \cdot t^2 \cdot 3t^5)^0$ 	4. $(5c^4z)^0$ 
5. $(t^2u^5 \cdot t^6u^{-4} \cdot 2t^{-1}u^3)^0$ 	6. $(3^2\text{bk} \cdot 3^3b^2k^8 \cdot 3^{-3}b^{-1}\text{k})^0$ 
7. $(7d^6 \cdot 4d^{-5})^0$ 	8. $(2g^5h^7 \cdot (-2)g^2h^{-5})^0$ 
9. $(6h^2 \cdot 8h^3z^6)^0$ 	10. $(8 \cdot 8^2)^0$ 

11. $\left(\frac{7^4}{7^{-6}}\right)^0$ 	12. $\left(\frac{4w^{-6}}{6w^2}\right)^0$ 
13. $\left(\frac{d^2}{d^{-2}}\right)^0$ 	14. $\left(\frac{2c^2}{8c^4}\right)^0$ 
15. $\left(\frac{gb}{9g^{-2}b^{-5}}\right)^0$ 	16. $\left(\frac{6k^8}{2k^4}\right)^0$ 
17. $\left(\frac{2^{-2}3^3}{2^{-4}3^6}\right)^0$ 	18. $\left(\frac{10a^{23}}{5a^{-15}}\right)^0$ 
19. $\left(\frac{b^3g^{-8}h^{-5}k^7}{b^{-1}g^2h^3k^{-2}}\right)^0$ 	20. $\left(\frac{3w^{-1}}{9w^6}\right)^0$