Name:	Hour : Date:
HONORS Proving and Verifying Polynom For each polynomial identity:	nial Identities Practice
(a) Prove algebraically (like we did in the notes!)	
(b) Verify the identity <i>numerically</i> – To verity numerically pick a order of operations to show that you get the same value on each	
1) $(a + b)^3 = a^3 + 3a^2b + 3ab^2 + b^3$	
2) $(c-2d)(c-d) = c^2 - 3cd + 2d^2$	
Verify <u>numerically</u> whether the following is a polynomial identity. 3) $(c+d)^2(c-d)$?=?=? $c^3+2c^2d-cd+d^3$	

Name:	Hour :	Date:	
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HONORS Proving and Verifying Polynomial Identities Practice