Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table # \_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_

Chapter 10 Notes for Test – “Exponents Part 1”

10.1

|  |
| --- |
| Examples: SIMPLIFY.-42 = (-4)2 = $\left(-\frac{1}{6}\right)^{3}=$Additional Examples |

10.2 PRODUCT OF POWERS PROPERTY

|  |
| --- |
| * am  $∙ $an = 35 ∙ 37 =

KEEP THE BASE THE SAME AND \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* (am)n = (34)10 =

KEEP THE BASE THE SAME AND \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* (a ∙ b)m = (5 ∙ 4)3 = (3x)2 =

WHEN RAISING A PRODUCT TO A POWER , \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

10.3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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|  |

10.4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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