Negative and Zero Exponents Practice

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Simplify.

1. $x^{-6}$ \_\_\_\_\_\_ 2. $y^{-8}$ \_\_\_\_\_\_ 3. $2^{-3}$ \_\_\_\_\_\_

 4. (a4b7)0 \_\_\_\_\_\_ 5. $(a^{5}$) ($a^{0}$) \_\_\_\_\_ 6. 50 \_\_\_\_\_\_

 7. ($a^{-7}$)($a^{-3}$) \_\_\_\_\_ 8. ($x^{-9}$)($x^{8}$) \_\_\_\_\_

 9. (x5y7)0 \_\_\_\_\_\_\_ 10. ($a^{-8}$)($a^{10}$) \_\_\_\_\_

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Negative and Zero Exponents Practice

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Simplify.

1. $x^{-6}$ \_\_\_\_\_\_ 2. $y^{-8}$ \_\_\_\_\_\_ 3. $2^{-3}$ \_\_\_\_\_\_

 4. (a4b7)0 \_\_\_\_\_\_ 5. $(a^{5}$) ($a^{0}$) \_\_\_\_\_ 6. 50 \_\_\_\_\_\_

 7. ($a^{-7}$)($a^{-3}$) \_\_\_\_\_ 8. ($x^{-9}$)($x^{8}$) \_\_\_\_\_

 9. (x5y7)0 \_\_\_\_\_\_\_ 10. ($a^{-8}$)($a^{10}$) \_\_\_\_\_

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Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_

Simplify.

1. $x^{-6}$ =$\frac{1}{x^{6}}$ 2. $y^{-8}$ =$\frac{1}{y^{8}}$ 3. $2^{-3}$ = $\frac{1}{8}$

 4. (a4b7)0 = 1 5. $(a^{5}$) ($a^{0}$) = a5 6. 50 = 1

 7. ($a^{-7}$)($a^{-3}$) = $\frac{1}{a^{10}}$ 8. ($x^{-9}$)($x^{8}$) = $\frac{1}{x^{-1}}$

 9. (x5y7)0 = 1 10. ($a^{-8}$)($a^{10}$) = a2

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Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Simplify.

$1. x^{-6}$ \_\_\_\_\_\_ 2. $y^{-8}$ \_\_\_\_\_\_ 3. $2^{-3}$ \_\_\_\_\_\_

 4. (a4b7)0 \_\_\_\_\_\_ 5. $(a^{5}$) ($a^{0}$) \_\_\_\_\_ 6. 50 \_\_\_\_\_\_

 7. ($a^{-7}$)($a^{-3}$) \_\_\_\_\_ 8. ($x^{-9}$)($x^{8}$) \_\_\_\_\_

 9. (x5y7)0 \_\_\_\_\_\_\_ 10. ($a^{-8}$)($a^{10}$) \_\_\_\_\_