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Negative Exponents

Practice Worksheet A

1 Practice Problems

Simplify each expression by making all exponents positive.

1) 5^{-9}

6) $\frac{x^{-3}}{x^4}$

2) x^{-10}

7) $\frac{x^{-5}}{x^{10}}$

3) $\frac{1}{7^{-20}}$

8) $\frac{x^{-8}y^5}{x^4y^{-4}}$

4) $\frac{1}{x^{-9}}$

9) $\frac{x^{-6}y^{-3}}{x^2y}$

5) $\frac{x^5}{x^{-2}}$

10) $\frac{xy^{-6}}{x^{-2}y^5}$

Negative Exponents

Practice Worksheet A

1 Practice Problems

Simplify each expression by making all exponents positive.

1) 5^{-9}

$\frac{1}{5^9}$

6) $\frac{x^{-3}}{x^4}$

$\frac{1}{x^7}$

2) x^{-10}

$\frac{1}{x^{10}}$

7) $\frac{x^{-5}}{x^{10}}$

$\frac{1}{x^{15}}$

3) $\frac{1}{7^{-20}}$

7^{20}

8) $\frac{x^{-8}y^5}{x^4y^{-4}}$

$\frac{y^9}{x^{12}}$

4) $\frac{1}{x^{-9}}$

x^9

9) $\frac{x^{-6}y^{-3}}{x^2y}$

$\frac{1}{x^8y^4}$

5) $\frac{x^5}{x^{-2}}$

x^3

10) $\frac{xy^{-6}}{x^{-2}y^5}$

$\frac{x^3}{y^{11}}$