Name:

Date:

Division Property of Exponents

Simplify.

1) $\frac{3\,x^3}{2\,x^5}$

2) $\frac{21\,x^8}{7\,x^3}$

3) $\frac{6\,x^2}{4\,x^3}$

4) $\frac{12\,x^3}{14\,x^6}$

5) $\frac{5^5}{5}$

6) $\frac{3}{3^5}$

7) $\frac{7\,x^6}{4\,x^7}$

8) $\frac{2^4}{2^2}$

9) $\frac{16\,x^4\,y}{9\,x^8\,y^2}$

10) $\frac{5\,x}{10\,x^3}$

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1) $\frac{3\,x^3}{2\,x^5}$

$\frac{3}{2\,x^2}$

2) $\frac{21\,x^8}{7\,x^3}$

$3\,x^5$

3) $\frac{6\,x^2}{4\,x^3}$

$\frac{3}{2\,x}$

4) $\frac{12\,x^3}{14\,x^6}$

$\frac{6}{7\,x^3}$

5) $\frac{5^5}{5}$

5^4

6) $\frac{3}{3^5}$

$\frac{1}{3^4}$

7) $\frac{7\,x^6}{4\,x^7}$

$\frac{7}{4\,x}$

8) $\frac{2^4}{2^2}$

2^2

9) $\frac{16\,x^4\,y}{9\,x^8\,y^2}$

$\frac{16}{9\,x^4\,y}$

10) $\frac{5\,x}{10\,x^3}$

$\frac{1}{2\,x^2}$