Name:

Date:

Dividing Monomials

Simplify each expression.

1) $\frac{16x^2}{10x} =$

2) $\frac{95x^8y^7}{5x^9y^2} =$

3) $\frac{24x^4y^2}{9y^3} =$

4) $\frac{9d^7}{3d^6} =$

5) $\frac{64x^3z^7}{40xy^4z} =$

6) $\frac{w^4u^3}{u^3} =$

7) $\frac{x^3}{4x^4} =$

8) $\frac{2x^3y^2}{3x^3} =$

9) $\frac{3x^3}{2x^4} =$

10) $\frac{u^4v^4}{2u^4v^4} =$

11) $\frac{m^4n^4}{3m^3n^4} =$

12) $\frac{x^4y^3}{2yx^4} =$

13) $\frac{2x^2}{3x^4y^3} =$

14) $\frac{4x^2}{4x^3} =$

15) $\frac{3ab^4}{2a^2b^2} =$

16) $\frac{2x^2}{x} =$

17) $\frac{4x^2y^3}{xy^2} =$

18) $\frac{12p^5}{12p^4} =$

19) $\frac{6x^3y^4}{2x^2y^3} =$

20) $\frac{14x^4y^7}{16x^{12}y^2} =$

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Dividing Monomials

Name:

Date:

Answers

Simplify each expression.

1) $\frac{16x^2}{10x} = \frac{8x}{5}$

2) $\frac{95x^8y^7}{5x^9y^2} = \frac{19y^5}{x}$

3) $\frac{24x^4y^2}{9y^3} = \frac{8x^4}{3y}$

4) $\frac{9d^7}{3d^6} = 3d$

5) $\frac{64x^3z^7}{40xy^4z} = \frac{8x^2z^6}{5y^4}$

6) $\frac{w^4u^3}{u^3} = w^4$

7) $\frac{x^3}{4x^4} = \frac{1}{4x}$

8) $\frac{2x^3y^2}{3x^3} = \frac{2y^2}{3}$

9) $\frac{3x^3}{2x^4} = \frac{3}{2x}$

10) $\frac{u^4v^4}{2u^4v^4} = \frac{1}{2}$

11) $\frac{m^4n^4}{3m^3n^4} = \frac{m}{3}$

12) $\frac{x^4y^3}{2yx^4} = \frac{y^2}{2}$

13) $\frac{2x^2}{3x^4y^3} = \frac{2}{3x^2y^3}$

14) $\frac{4x^2}{4x^3} = \frac{1}{x}$

15) $\frac{3ab^4}{2a^2b^2} = \frac{3b^2}{2a}$

16) $\frac{2x^2}{x} = 2x$

17) $\frac{4x^2y^3}{xy^2} = 4xy$

18) $\frac{12p^5}{12p^4} = p$

19) $\frac{6x^3y^4}{2x^2y^3} = 3xy$

20) $\frac{14x^4y^7}{16x^{12}y^2} = \frac{7y^5}{8x^8}$

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