

Name : _____

Exponents

T2L1S3

Evaluate.

1) $\frac{16u^{-3}v^3}{(2u)^{-3} \cdot (-12v)^2}$

2) $12^2 \cdot (-2)^4 \div (-4)^2 \cdot \left(\frac{1}{6}\right)^3$

3) $\left(\frac{18t}{9}\right)^5 \cdot ((2t)^2)^2$

$\left(\frac{1}{2}\right)^{-8} \cdot \left(-\frac{q}{4p}\right)^0$

5) $a^{12}b^0 \div \left(\frac{a}{b}\right)^6 \cdot b^{10}$

$5w)^{-5}$

7) $(-16)^4 \cdot (-8)^{-11} \cdot \left(\frac{1}{4}\right)^{-11}$

8) $\frac{((8xy)^3)^5 \cdot (-3)^2}{(-8xy)^{13}}$

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Exponents

Evaluate.

1) $\frac{16u^{-3}v^3}{(2u)^{-3} \cdot (-12v)^2}$

$\frac{8v}{9}$

2) $12^2 \cdot (-2)^4 \div (-4)^2 \cdot \left(\frac{1}{6}\right)^3$

$\frac{2}{3}$

3) $\left(\frac{18t}{9}\right)^5 \cdot ((2t)^2)^2$

$512t^9$

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5) $a^{12}b^0 \div \left(\frac{a}{b}\right)^6 \cdot b^{10}$

a^6b^{16}

7) $(-16)^4 \cdot (-8)^{-11} \cdot \left(\frac{1}{4}\right)^{-11}$

-32

8) $\frac{((8xy)^3)^5 \cdot (-3)^2}{(-8xy)^{13}}$

$-576x^2y^2$