

Name : _____

Exponents

T2L1S2

Evaluate.

1) $\frac{(-7s^0)^2 \cdot ((14s^4)^4)}{(14s)^{15}}$

2) $\left(-\frac{15k}{5}\right)^{-9} \cdot (-3k)^{12}$

3) $9y^{17} \cdot \left(\frac{1}{x}\right)^{-11} \div \left(\frac{x}{y}\right)^{11}$

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5) $(-2r)^7 \cdot \frac{((-6r)^3)^{-2}}{(3r)^{-8}}$

$\left(\frac{7}{5}\right)^2$

7) $((16d)^3)^3 \cdot (16d)^{-6} \div \left(\frac{2d}{c}\right)^3$

8) $\frac{p^{-13}}{q^{-12}} \cdot (-pq)^2 \cdot \left(\frac{q}{p}\right)^{-12}$

Exponents

Evaluate.

1) $\frac{(-7s^0)^2 \cdot ((14s)^4)^4}{(14s)^{15}}$

686s

2) $\left(-\frac{15k}{5}\right)^9 \cdot (-3k)^{12}$

-27k³

3) $9y^{17} \cdot \left(\frac{1}{x}\right)^{-11} \div \left(\frac{x}{y}\right)^{11}$

9y²⁸

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5) $(-2r)^7 \cdot \frac{((-6r)^3)^{-2}}{(3r)^{-8}}$

-18r⁹

$\left(\frac{7}{5}\right)^2$

7) $((16d)^3)^3 \cdot (16d)^{-6} \div \left(\frac{2d}{c}\right)^3$

512c³

8) $\frac{p^{-13}}{q^{-12}} \cdot (-pq)^2 \cdot \left(\frac{q}{p}\right)^{-12}$

pq²