

Name : _____

Exponents

T2L2S2

Evaluate using prime factorization.

1) $\frac{512d^{10}}{256d^7} \cdot 81d^4$

2) $\frac{216w^{-5}}{z^3} \div \frac{27w^3}{z^5}$

3) $-324 \cdot \frac{16}{64}$

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5) $\frac{243b^{12}}{c^{-5}} \div \frac{9b^5}{c^2}$

7) $-\frac{128}{s} \div 8s^2$

8) $-\frac{28v^3}{50} \cdot \frac{225u^2}{2v^6}$
