

Name : _____

T2L2S3

Exponents

Evaluate using prime factorization.

1) $16 \div \frac{576}{36}$

2) $-\frac{324}{729c^6} \cdot 9c^7$

3) $\frac{s^{-12}}{t^{10}} \cdot \frac{25s^9}{t^{-10}}$

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5) $-\frac{243u}{v^4} \div \frac{9u^{-2}}{v^{-2}}$

7) $121m^5n^{-5} \div \frac{11m^2}{n^2}$

8) $-4r^2 \cdot \frac{16r^{-3}}{8r^{-4}}$
