
1. (1 point) Library/UMN/algebraKaufmannSchwitters/ks_5_6_48.p
g
Write the following expression using positive rational expo-
nents: $3\sqrt{ab}$.

Answer: _____

2. (1 point) Library/UMN/algebraKaufmannSchwitters/ks_5_1_38.p
g
Express the number $2^{-5} + 3^{-1}$
as a reduced fraction.

Answer: _____

Note: You cannot use any operations except division (/) and negation (-).

3. (1 point) Library/Rochester/setAlgebra02ExponentsRadicals/s
w1_3_9b.pg
The expression $\left(-\frac{64}{27}\right)^{2/3}$
equals ____ / ____.

4. (1 point) Library/UVA-FinancialMath/setFinancialMath-Sect10
-AlgebraPrereqs/math114-0-07a.pg
The expression

$$x^{1/4}x^{1/2}$$

equals x^r where r , the exponent of x , is: _____

5. (1 point) Library/UVA-FinancialMath/setFinancialMath-Sect10
-AlgebraPrereqs/math114-0-07b.pg
The expression

$$\left(y^{1/6}\right)^{3/4}$$

equals y^r where r , the exponent of y , is: _____

6. (1 point) Library/FortLewis/Algebra/6-2-Fractional-exponent
s/MCH1-6-2-04-Fractional-exponents.pg
Evaluate the following expression without using a calculator.
Simplify your answer as much as possible, and enter your an-
swer as a fraction.

$$\left(\frac{8}{27}\right)^{-1/3} = \text{_____ help (fractions)}$$