

# Math 1513 - College Algebra

## Quiz #1 - 2011.08.18

### Solutions

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1. Give a couple of examples of properties of exponents.

Answers will vary, but some examples are:

$$b^m \cdot b^n = b^{m+n}, \quad (b^m)^n = b^{mn}, \quad \frac{b^m}{b^n} = b^{m-n}$$

2. Simplify the following expression:

$$\begin{aligned}(5 - 2)^2 - 16 \div 4 \times 2 - 1 &= (3)^2 - 16 \div 4 \times 2 - 1 \\ &= 9 - 16 \div 4 \times 2 - 1 \\ &= 9 - 4 \times 2 - 1 \\ &= 9 - 8 - 1 \\ &= 1 - 1 \\ &= 0\end{aligned}$$