Computing Expressions with Exponents
Without a Calculator

Answer Key

1. Without a calculator, compute the exact value of each of the following
   a. 64

   b. $\dfrac{27}{64}$

   c. $\dfrac{1}{20^5} = \dfrac{1}{3,200,000}$

   d. 16

   e. 64';

   f. 64

   g. 1

   h. 5

   i. 16

2. Simplify each of the following expressions as much as possible.

   a. 144

   b. 1

   c. 12

   d. 1

   e. 1

   f. 1