**2.3 – Order of Operations with Powers**

Recall the order of operations:

**B** – brackets, innermost first

**E** – exponents

**D/M** – division/multiplication, from left to right

**A/S** – addition/subtraction, from left to right

Ex. 1: Evaluate.

1. 33 – 23 (b) 3 – 23 (c) (3 – 2)3
2. [2 × (-3)3 – 6]2 (e) [(–3)2 + 50]3 ÷ –52
3. $\frac{\left[-2+3^{2}-\left(2005-3\right)^{3}\right]^{0}}{\left(-2\right)^{3}}$

Ex. 2: Dave answered a skill-testing question to win free movie tickets in the following manner:

 62 – 3 + 4

= 36 – 3 + 4

= 36 – 7

= 29

Did he win the tickets?

Assignment: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_