
Student Name: _____

Teacher: _____ Date: _____

District: Miami-Dade County Public Schools

Assessment: 08 Mathematics Mathematics Benchmark 3

Description: MAFS.8.EE.1.2 PRACTICE

Form: 201

1. What is the value of the expression $\sqrt[3]{216}$?

- A. 72
- B. 27
- C. 8
- D. 6

2. Tim bought 128 sandbags to completely fill a cube-shaped sandbox. Each bag fills a cubic foot in the sandbox. What is the length, in feet, of one of the sides of the sandbox?

- A. $\sqrt{128}$
- B. $\sqrt[3]{128}$
- C. 128^2
- D. 128^3

3. Which expression could represent the value of x in the equation below?

$$x^3 = 2$$

- A. $\frac{2}{3}$
- B. 2^3
- C. $\sqrt[3]{2}$
- D. $2 \cdot 3$

4. What is the value of x in the equation $512x^3 = 8$?

A. $\sqrt[3]{\frac{1}{4}}$

B. $\frac{1}{4}$

C. $\sqrt[3]{4}$

D. 4

5. Which expression represents the value of x in the equation below?

$$x^2 = 25$$

A. $\sqrt{5}$

B. $\sqrt{25}$

C. 5^2

D. 25^2