
Student Name: _____

Teacher: _____ Date: _____

District: Miami-Dade County Public Schools

Assessment: 08 Mathematics Mathematics Benchmark 3

Description: MAFS.8.EE.1.1 PRACTICE

Form: 201

1. Which of these is equivalent to $\frac{(2^{-4})^2 \times 2^{-5}}{2^{-6}}$?

A. 2^{-19}

B. $\frac{1}{2^7}$

C. $\frac{1}{2}$

D. 2^3

2. Which expression is equivalent to $11^{-4} \times 11^8$?

A. 121^{-32}

B. 11^{-32}

C. 11^4

D. 121^4

3. What is the value of $-4^4 \cdot 4^{-7}$?

A. 64

B. $\frac{1}{64}$

C. $-\frac{1}{64}$

D. -64

4. Which expression is equivalent to $(4^{-6} \cdot 4^4) + \left(\frac{2^6}{2^3}\right)$?

A. $\frac{1}{4^2} + 2^3$

B. $\frac{1}{4^{24}} + 2^3$

C. $\frac{1}{4^2} + 2^2$

D. $\frac{1}{4^{24}} + 2^2$

5. $\frac{(2^3)^3}{(3^3)^3} =$

A. $\left(\frac{2}{3}\right)^6$

B. $\left(\frac{2}{3}\right)^9$

C. $(-6)^6$

D. $(-6)^9$