

Name \_\_\_\_\_

Common Core Standard 8.EE.A.1 – Expressions and Equations

 Evaluate the exponent  $10^{-5}$ . Be sure to show your work.

A  $\frac{1}{100000}$

B  $-10000$

C  $\frac{1}{10000}$

D  $100000$

Common Core Standard 8.EE.A.1 – Expressions and Equations

 Evaluate the exponent  $(-1.1)^3$ . Be sure to show your work.

A  $-1.131$

B  $0.1331$

C  $-0.1331$

D  $-1.331$

Common Core Standard 8.EE.A.1 – Expressions and Equations

 Which is equivalent to  $\left(\frac{3}{5}\right)^4 \times 36^{-6}$ ? Be sure to show your work.

A  $\frac{3}{5} \times \frac{3}{5} \times \frac{3}{5} \times \frac{3}{5} \times 36 \times 36 \times 36 \times 36 \times 36 \times 36$

B  $\frac{3}{5} \times \frac{3}{5} \times \frac{3}{5} \times \frac{3}{5} \times (-36) \times (-36) \times (-36) \times (-36) \times (-36) \times (-36)$

C  $\frac{3}{5} \times \frac{3}{5} \times \frac{3}{5} \times \frac{3}{5} \times \frac{1}{36} \times \frac{1}{36} \times \frac{1}{36} \times \frac{1}{36} \times \frac{1}{36} \times \frac{1}{36}$

D  $\frac{3}{5} \times \frac{3}{5} \times \frac{3}{5} \times \frac{1}{36} \times \frac{1}{36} \times \frac{1}{36} \times \frac{1}{36} \times \frac{1}{36} \times \frac{1}{36} \times \frac{1}{36}$

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Common Core Standard 8.EE.A.1 – Expressions and Equations

 Evaluate the exponential expression. Be sure to show your work.

$$(-0.2)^2 \times (-1.5)^3 \times 2^0 = \square$$

A -0.243

B 0.243

C 0

D -0.135

Common Core Standard 8.EE.A.1 – Expressions and Equations

 Evaluate the exponential expression. Be sure to show your work.

$$(-8)^2 + 5^{-2} = \square$$

A 64.04

B -63.96

C -26

D 6

Common Core Standard 8.EE.A.1 – Expressions and Equations

 Evaluate the exponential expression. Be sure to show your work.

$$5^4 - \left(\frac{1}{20}\right)^{-2} = \square$$

A 20.025

B 60

C 225

D 1.5625