**ANSWER:**

**ANSWER:**

 Find x if $2^{16^{x}}$=$16^{2^{x}}$

Simplify expression: $81^{-(2^{-2})}$

9/5 **Exponents and Logs**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ciphering #2**

 **5 points 10 points**

9/5 **Exponents and Logs**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ciphering #1**

 **5 points 10 points**

**ANSWER:**

**ANSWER:**

Solve for n: $\sqrt{1+\sqrt{2+\sqrt{n}}}=2$

Find $ log\_{\sqrt{3}}\sqrt[3]{9}$

9/5 **Exponents and Logs**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ciphering #4**

 **5 points 10 points**

9/5 **Exponents and Logs**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ciphering #3**

 **5 points 10 points**



 What is the logarithm of $27 \sqrt[4]{9} \sqrt[3]{9}$ base 3?

 

Solve the equation $log\_{2x}216=x$ where x is real

9/5 **Exponents and Logs**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ciphering #5**

 **5 points 10 points**

**ANSWER:**