



Name: _____

Date: _____

Negative Exponents

Solve for x. Show your work.

1. $(\frac{3}{4})^{-1}$

2. 4^{-4}

3. $(\frac{2}{4})^{-2}$

4. $(\frac{3}{4})^{-2}$

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

6. $(\frac{1}{4})^{-2}$

7. 3^{-4}

8. 5^{-4}



Negative Exponents – Answer Key

1. $(\frac{3}{4})^{-1}$
 $\frac{4}{3}$

2. 4^{-4}
 $\frac{1}{256}$

3. $(\frac{2}{4})^{-2}$
 $\frac{16}{4}$

4. $(\frac{3}{4})^{-2}$
 $\frac{16}{9}$

5. $(\frac{2}{3})^{-2}$
 $\frac{9}{4}$

6. $(\frac{1}{4})^{-2}$
 16

7. 3^{-4}
 $\frac{1}{81}$

8. 5^{-4}
 $\frac{1}{625}$