

# Exponents

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

Date: \_\_\_\_\_

## Evaluate the Exponents.

1)  $\left(\frac{15}{7}\right)^2 =$  \_\_\_\_\_

2)  $\left(-\frac{27}{19}\right)^{-2} =$  \_\_\_\_\_

3)  $\left(-\frac{20}{6}\right)^2 =$  \_\_\_\_\_

4)  $\left(\frac{1}{2}\right)^{-6} =$  \_\_\_\_\_

5)  $\left(\frac{3}{16}\right)^3 =$  \_\_\_\_\_

6)  $\left(\frac{5}{13}\right)^{-3} =$  \_\_\_\_\_

7)  $\left(\frac{1}{8}\right)^3 =$  \_\_\_\_\_

8)  $\left(\frac{5}{14}\right)^3 =$  \_\_\_\_\_

9)  $\left(\frac{3}{10}\right)^2 =$  \_\_\_\_\_

10)  $\left(\frac{1}{4}\right)^3 =$  \_\_\_\_\_

11)  $\left(\frac{3}{16}\right)^3 =$  \_\_\_\_\_

12)  $\left(\frac{5}{2}\right)^{-5} =$  \_\_\_\_\_

13)  $\left(\frac{9}{10}\right)^{-1} =$  \_\_\_\_\_

14)  $\left(\frac{19}{17}\right)^{-2} =$  \_\_\_\_\_

15)  $\left(\frac{5}{8}\right)^{-3} =$  \_\_\_\_\_

16)  $\left(\frac{8}{3}\right)^{-3} =$  \_\_\_\_\_

17)  $\left(\frac{8}{6}\right)^{-2} =$  \_\_\_\_\_

18)  $\left(-\frac{13}{11}\right)^{-2} =$  \_\_\_\_\_

# Exponents

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

Date: \_\_\_\_\_

## Evaluate the Exponents.

$$1) \left(\frac{15}{7}\right)^2 = \frac{225}{49}$$

$$2) \left(-\frac{27}{19}\right)^{-2} = \frac{361}{729}$$

$$3) \left(-\frac{20}{6}\right)^2 = \frac{400}{36}$$

$$4) \left(\frac{1}{2}\right)^{-6} = 64$$

$$5) \left(\frac{3}{16}\right)^3 = \frac{27}{4096}$$

$$6) \left(\frac{5}{13}\right)^{-3} = \frac{2197}{125}$$

$$7) \left(\frac{1}{8}\right)^3 = \frac{1}{512}$$

$$8) \left(\frac{5}{14}\right)^3 = \frac{125}{2744}$$

$$9) \left(\frac{3}{10}\right)^2 = \frac{9}{100}$$

$$10) \left(\frac{1}{4}\right)^3 = \frac{1}{64}$$

$$11) \left(\frac{3}{16}\right)^3 = \frac{27}{4096}$$

$$12) \left(\frac{5}{2}\right)^{-5} = \frac{32}{3125}$$

$$13) \left(\frac{9}{10}\right)^{-1} = \frac{10}{9}$$

$$14) \left(\frac{19}{17}\right)^{-2} = \frac{289}{361}$$

$$15) \left(\frac{5}{8}\right)^{-3} = \frac{512}{125}$$

$$16) \left(\frac{8}{3}\right)^{-3} = \frac{27}{512}$$

$$17) \left(\frac{8}{6}\right)^{-2} = \frac{36}{64}$$

$$18) \left(-\frac{13}{11}\right)^{-2} = \frac{121}{169}$$