Exponents

Name:_____ Date:_____

Evaluate the Exponents.

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

2) $\left(-\frac{5}{9}\right)^{2} =$ _____

3) $\left(\frac{2}{6}\right)^{4} =$ _____

4) $\left(-\frac{8}{6}\right)^{-2} =$ _____

5) $\left(\frac{1}{4}\right)^{-3} =$ _____

6) $\left(\frac{6}{5}\right)^{3} =$ _____

7) $\left(\frac{9}{8}\right)^{-3} =$ _____

8) $\left(-\frac{2}{3}\right)^{4} =$ _____

9) $\left(\frac{1}{8}\right)^{-3} =$ _____

10) $\left(-\frac{5}{4}\right)^{-3} =$ _____

11) $\left(-\frac{7}{5}\right)^{2} =$ _____

12) $\left(\frac{2}{5}\right)^{-4} =$ _____

13) $\left(\frac{1}{2}\right)^{6} =$ _____

14) $\left(\frac{10}{3}\right)^{2} =$ _____

15) $\left(\frac{3}{2}\right)^{-5} =$ _____

16) $\left(\frac{1}{7}\right)^{-3} =$ _____

17) $\left(-\frac{9}{4}\right)^{-2} =$ _____

18) $\left(\frac{1}{9}\right)^{3} =$ _____

Exponents

Name:_____ Date:_____

Evaluate the Exponents.

1) $\left(\frac{3}{7}\right)^{3} = \frac{27}{343}$

2) $\left(-\frac{5}{9}\right)^{2} = \frac{25}{81}$

3) $\left(\frac{2}{6}\right)^{4} = \frac{16}{1296}$

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

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

6) $\left(\frac{6}{5}\right)^{3} = \frac{216}{125}$

7) $\left(\frac{9}{8}\right)^{-3} = \frac{512}{729}$

8) $\left(-\frac{2}{3}\right)^{4} = \frac{16}{81}$

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

10) $\left(-\frac{5}{4}\right)^{-3} = -\frac{64}{125}$

11) $\left(-\frac{7}{5}\right)^{2} = \frac{49}{25}$

12) $\left(\frac{2}{5}\right)^{-4} = \frac{625}{16}$

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

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

15) $\left(\frac{3}{2}\right)^{-5} = \frac{32}{243}$

16) $\left(\frac{1}{7}\right)^{-3} = 343$

17) $\left(-\frac{9}{4}\right)^{-2} = \frac{16}{81}$

18) $\left(\frac{1}{9}\right)^{3} = \frac{1}{729}$