

Name : _____

Score : _____

Teacher : _____

Date : _____

Evaluate the Exponents

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

11) $\left(\frac{6}{10}\right)^{-2} =$ _____

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

12) $\left(\frac{1}{2}\right)^{-8} =$ _____

3) $\left(\frac{1}{2}\right)^8 =$ _____

13) $\left(\frac{6}{9}\right)^{-3} =$ _____

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

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

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

15) $\left(-\frac{5}{6}\right)^2 =$ _____

6) $\left(\frac{3}{7}\right)^2 =$ _____

16) $\left(-\frac{9}{12}\right)^{-2} =$ _____

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

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

8) $\left(-\frac{1}{2}\right)^7 =$ _____

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

9) $\left(-\frac{5}{10}\right)^{-2} =$ _____

19) $\left(-\frac{5}{8}\right)^2 =$ _____

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

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

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Evaluate the Exponents

1) $\left(\frac{3}{4}\right)^{-2} = \underline{\frac{16}{9}}$

11) $\left(\frac{6}{10}\right)^{-2} = \underline{\frac{100}{36}}$

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

12) $\left(\frac{1}{2}\right)^{-8} = \underline{256}$

3) $\left(\frac{1}{2}\right)^8 = \underline{\frac{1}{256}}$

13) $\left(\frac{6}{9}\right)^{-3} = \underline{\frac{729}{216}}$

4) $\left(\frac{1}{3}\right)^{-5} = \underline{243}$

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

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

15) $\left(-\frac{5}{6}\right)^2 = \underline{\frac{25}{36}}$

6) $\left(\frac{3}{7}\right)^2 = \underline{\frac{9}{49}}$

16) $\left(-\frac{9}{12}\right)^{-2} = \underline{\frac{144}{81}}$

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

17) $\left(-\frac{4}{5}\right)^{-4} = \underline{\frac{625}{256}}$

8) $\left(-\frac{1}{2}\right)^7 = \underline{-\frac{1}{128}}$

18) $\left(\frac{3}{5}\right)^{-2} = \underline{\frac{25}{9}}$

9) $\left(-\frac{5}{10}\right)^{-2} = \underline{\frac{100}{25}}$

19) $\left(-\frac{5}{8}\right)^2 = \underline{\frac{25}{64}}$

10) $\left(-\frac{1}{4}\right)^{-4} = \underline{256}$

20) $\left(-\frac{1}{2}\right)^{-4} = \underline{16}$