**Answer Column:**

1. a) 2.87
   b) 65.84%
2. a) 16%
   b) 87.5%
3. a) $\frac{2}{25}$
   b) $2\frac{1}{4}$
4. $0.\overline{7}$
5. $0.08\overline{3}$
6. $\frac{2}{5}$
7. $\frac{6}{25}$
8. 5.59325
9. 1.2
10. 0.025

**Fraction, Decimal, and % Practice Quiz**
Directions: Solve the following problems in the boxes provided. Then, write answers in column.
**SHOW ALL WORK! SIMPLIFY!**

**Name:**

**Period:**

1. a) Write the percent as a **decimal**

   287% always move 2 to the left
   2.87

   b) Write the decimal as a **percent**

   0.6584 always move 2 to the right
   65.84%

2. Write the fraction as a **percent**

   a) $\frac{4 \cdot 4 = 16}{25 \cdot 4 = 100} = 16\%$ Remember % means # over 100

   b) $\frac{7}{8}$ $8\overline{)7}$ 0.875 $0.875 = 87.5\%$
   memory 87.5%

3. Write the percent as a **fraction**

   % means $\frac{\#}{100}$

   a) 8% $\frac{8 \div 4}{100 \div 4} = \frac{2}{25}$

   b) 225% = 2.25
   $2\frac{25 \div 25}{100 \div 25} = 2\frac{1}{4}$

4. Write the fraction as a **decimal**

   $\frac{7}{9}$ $9\overline{)70}$ 0.777
   −63
   70
   −63
   70
   $0.\overline{7}$

5. Write the fraction as a **decimal**

   $\frac{1}{12}$ $12\overline{)100}$ 0.083
   −96
   40
   −36
   40
   −36
   40

6. Write the decimal as a **fraction**

   0.4 $\frac{4 \div 2}{10 \div 2}$ $\frac{2}{5}$
   say it in words "4 tenths"
   memory (flash cards)

7. Write the decimal as a **fraction**

   0.24
   say it in words "24 hundredths"
   $\frac{24 \div 4}{100 \div 4} = \frac{6}{25}$

8. Evaluate 5.6 − .00675 ← add zeros

   5.60000
   − 0.00675
   5.59325

9. Evaluate 1.5 × .8 — 2 dec places

   15
   8
   12.0
   1.20

10. Evaluate when x = .011

    .000275
    x
    0.025
    $11\overline{).275}$
    22
    55
    −55
    0

    $.011\overline{).000275}$
    3 places 3 places