Fractions

Homework-4   **Name:** _____

Concepts covered in class: How to add and subtract fractions with the same denominator and the reasoning behind the formula. Fundamental Fact about Equivalent Fractions.

1. Add the fractions. Remember to use equal signs as discussed in class.

(A) $\dfrac{2}{9} + \dfrac{4}{9}$ (B) $\dfrac{512}{100} + \dfrac{73}{100}$

2. Subtract the fractions. Remember to use equal signs as discussed in class.

(A) $\dfrac{7}{5} - \dfrac{3}{5}$ (B) $\dfrac{912}{100} - \dfrac{119}{100}$

3. Complete the definitions by filling in the blank.

(A) **A number is a** _____

(B) Two fractions are said to be **equal or equivalent** if they are

_____ on the number line.

4. Recall FFEF: **The fundamental fact about equivalent fractions (FFEF)** states that a fraction is UNCHANGED if we **multiply** BOTH the numerator and the denominator by **the same nonzero whole number**.

Apply the FFEF to create an equivalent fraction of the given fraction. Fill in the blanks.

(A) $\dfrac{2}{5} =$ —————   (B) $\dfrac{3}{10} =$ —————

(C) $\dfrac{1}{3} =$ —————   (D) $\dfrac{1}{100} =$ —————