Rational numbers and operations

Math

Name_____ Class_____ Date_____

1 **Add** the rational numbers:

$$\frac{8x}{6} + \frac{4x}{6} = \boxed{}$$

A $\frac{13x}{6}$ C $2x$

B $\frac{11x}{6}$ D x

2 **Add** the rational numbers:

$$\frac{3}{9x} + \frac{5}{9x} = \boxed{}$$

A $\frac{8}{18x}$ C $\frac{2}{9x}$

B $\frac{2}{18x}$ D $\frac{8}{9x}$

3 **Add** the rational numbers:

$$\frac{5}{x} + \frac{3}{4} =$$

4 **Subtract** the rational numbers:

$$\frac{7x}{12} - \frac{6x}{12} =$$

5

7

A $\frac{-70}{88}$ C $\frac{77}{80}$

B $\frac{-77}{80}$ D $\frac{70}{88}$

A $3y$ C $\frac{y}{9}$

B $4y$ D $\frac{54y}{12}$

9 **Multiply** the rational numbers and simplify to lowest terms:

$$\left(\frac{-3}{7}\right)\left(\frac{4x}{6}\right) =$$

A $\frac{-x}{4}$ C $\frac{-2x}{7}$

B $\frac{x}{4}$ D $\frac{2x}{7}$

10 Jared divided $\frac{5}{6} \div \frac{5}{8}$. His answer of $\frac{6}{8}$ is correct.

True or false?

A true
B false

Name_____ Class_____ Date_____

1 **Add** the rational numbers:

$$\frac{8x}{6} + \frac{4x}{6} = \square$$

Ⓒ

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B $\frac{11x}{6}$ D x

2 **Add** the rational numbers:

$$\frac{3}{9x} + \frac{5}{9x} = \square$$

Ⓓ

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B $\frac{2}{18x}$ D $\frac{8}{9x}$

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$$\frac{5}{x} + \frac{3}{4} = \square$$

Ⓐ

4 **Subtract** the rational numbers:

$$\frac{7x}{12} - \frac{6x}{12} = \square$$

Ⓑ

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Ⓒ

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