

Name: _____ Class: _____ Date: _____

Operations with Rational Numbers Quiz Review
No Calculator

1. Which problem has a sum or difference that is equivalent to -12 ?
Circle all that apply.

A. $2 + (-14)$

D. $-8 + (-4)$

B. $-8 + 4$

E. $-14 - 2$

C. $-10 - 2$

2. Evaluate each expression and show all work. Circle your answer. Make sure your answers are in simplest form (Improper fractions are fine as long as they are simplified).

A.) $12\frac{4}{5} + (-3\frac{1}{6})$

B.) $-38\frac{3}{4} + 23\frac{1}{6}$

C.) $\frac{-11}{12} - \frac{2}{12}$

3. Evaluate each expression, and show all work. Use $>$, $<$ or $=$ to make each statement true.

A.) $-32.025 + 5.09$ _____ $8.31 - (-3.2)$

B.) $-43.71 + 39.8$ _____ $4 + (-9.63)$

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4. Determine the product or quotient. Circle all of your answers! Show all work!

A.) $(-8)(-15)(0)$ B.) $-130 \div (-5)$ C.) $\frac{-128}{8}$ D.) $-16(-7)$

5. Circle all of the following that are equivalent to $\frac{-3}{4}$

A.) $\frac{-3}{-4}$ B.) $-\frac{3}{4}$ C.) $\frac{3}{-4}$

6. Circle *True* or *False* for each equation. Show your work to justify your answer.

If the answer is *False* write the correct answer on the line:

A. $-1\frac{1}{5} \cdot -1\frac{2}{3} = -2$ True or False _____

B. $-\frac{7}{8} \div 1\frac{1}{4} = 4\frac{3}{8}$ True or False _____

C. $-0.675 \div -0.5 = 1.35$ True or False _____

D. $-6.5(0.64) = -0.416$ True or False _____