

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Learning Goal 3.2**

I can add and subtract rational numbers.

**Rational Numbers ( )** 2

Any number that can be written as a fraction

$$\sqrt{15} = 3.8\text{...} \quad \sqrt{16} = 4$$

irrational                  rational

**Recall** Adding integers:

a.  $8 + 7$

$= 15$

b.  $(-8) + 7$

$= -1$

c.  $8 + (-7)$

$= 1$

d.  $(-13) + (-9)$

$= -13 - 9$

$= -22$

e.  $(-14) + 5$

$= -9$

f.  $2 + (-12)$

$= 2 - 12$

$= -10$

**Recall** Adding decimals:

\* only if you decide to have a calculator test \*

a.  $8.5 + 7.2 = 15.7$

$$\begin{array}{r} 8.5 \\ + 7.2 \\ \hline 15.7 \end{array}$$

b.  $(-8.5) + 7.2 = -1.3$

c.  $8.5 + (-7.2) = 1.3$

$$\begin{array}{r} 8.5 \\ - 7.2 \\ \hline 1.3 \end{array}$$

d.  $(-10.3) + (-0.9)$

$= -11.2$

e.  $(-21.4) + 5.6$

$= -15.8$

f.  $2.2 + (-11.2)$

$= -9.0$

