

Name _____

HW # 9

Evaluate each of the following expressions. Show all work.

1) $-4.2 + 3.3$

$$\begin{array}{r} 4.2 \\ -3.3 \\ \hline 0.9 \end{array}$$

$$\boxed{-0.9}$$

2) $-1.25 + 3.4$

$$\begin{array}{r} 3.40 \\ -1.25 \\ \hline 2.15 \end{array}$$

$$\boxed{2.15}$$

3) $-0.5 + (-3.2)$

$$\begin{array}{r} 0.5 \\ +3.2 \\ \hline 3.7 \end{array}$$

$$\boxed{-3.7}$$

4) $-\frac{1}{4} + \frac{3}{4}$

$$\frac{2}{4}$$

$$\boxed{\frac{1}{2}}$$

5) $\frac{11}{12} + \left(-\frac{7}{12}\right)$

$$\frac{4}{12}$$

$$\boxed{\frac{1}{3}}$$

6) $2 + \left(-3\frac{1}{2}\right)$

$$\frac{2}{1} + -\frac{7}{2}$$

$$\frac{4}{2} + -\frac{7}{2}$$

$$-\frac{3}{2} \quad \boxed{-\frac{1}{2}}$$

7) $2\frac{5}{6} + \left(-\frac{8}{15}\right)$

$$\frac{17}{6} + -\frac{8}{15}$$

$$\frac{85}{30} + -\frac{16}{30}$$

$$\frac{69}{30} \rightarrow 2\frac{9}{30} \rightarrow \boxed{2\frac{3}{10}}$$

8) Alice had a debt which resulted in her bank account statement reading \$-35.63. She took a babysitting job that allowed her to deposit \$45.00 in her bank account.

a) Write an expression that models this problem using *addition*. $-35.63 + 45.00$

b) Evaluate the expression that you created.

$$\begin{array}{r} 45.00 \\ -35.63 \\ \hline 9.37 \end{array}$$

$$\boxed{\$9.37}$$