

HW #

Evaluate each expression below. Show all work.

$$1) -4.2 + 3.3$$

$$\begin{array}{r} 34.2 \\ -3.3 \\ \hline -0.9 \end{array}$$

$$2) -1.25 + 3.4$$

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

$$3) -0.5 + (-3.2)$$

$$\begin{array}{r} 3.2 \\ +.5 \\ \hline -3.7 \end{array}$$

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

$$\frac{2}{4} = \frac{1}{2}$$

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

$$\frac{4}{12} = \frac{1}{3}$$

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

$$\begin{array}{r} 2 \cdot 2 \\ 2 \cdot 1 \end{array} + \frac{-7}{2}$$

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

$$-\frac{3}{2} = -1\frac{1}{2}$$

$$7) 2\frac{1}{6} + \left(-\frac{8}{15}\right)$$

$$\begin{array}{r} 5 \cdot 13 \\ 5 \cdot 6 \end{array} + \frac{-8 \cdot 2}{15 \cdot 2}$$

$$\frac{65}{30} + \frac{-16}{30}$$

$$\frac{49}{30} = 1\frac{19}{30}$$

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 into her account.

a) Write a numerical expression that models the situation.

$$-35.63 + 45.00$$

b) Evaluate the expression that you created to determine how much money Alice currently has in her account.

$$\begin{array}{r} 345.00 \\ -35.63 \\ \hline 9.37 \end{array}$$

\$9.37