Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_ Date \_\_\_\_\_\_\_

**Equations Review**

**Directions:** Solve the equation.

1. x + 16 = 10
2. -10e = 40
3. $\frac{w}{5}$ = -3
4. 7x – 10 = 25
5. $\frac{n}{-3}$ – 2 = -35
6. $\frac{1}{5}$x + 7 = 32
7. $3.2y-11.5=4.66$
8. $\frac{1}{-2}a- \frac{2}{3}= \frac{5}{6}$
9. $\frac{1}{3}\left(x+2\right)=5$
10. Mrs. Trump wants to purchase paper to cover her bulletin board. The paper comes on a roll that is 65 inches wide and costs $0.35 for each linear foot. Mrs. Pitt’s bulletin board is 6$\frac{3}{4}$ feet wide and 5.5 feet high. The office supply store also charges a $1.53 cutting fee. Simplify the following expression to see how much it will cost to purchase enough paper to cover Mrs. Pitt’s bulletin board.

Cost = 0.35 (6$\frac{3}{4}$ ) + 1.53

1. Corey is making applesauce. Each batch she makes yields 2$\frac{1}{4}$ quarts of applesauce. Corey already has 1.5 quarts. She would like to have a total of 12$\frac{1}{2}$ quarts before she’s finished for the day. How many batches of applesauce does Corey need to make? Show all your work.