1. Solve the following equations.

(a) 
$$4x - 17 = 35$$

(b) 
$$13y + 4 = 5(y - 4)$$

(c) 
$$\frac{2}{3}x - \frac{1}{6} = -\frac{5}{12}x + \frac{3}{2} - \frac{1}{6}x$$

(d) 
$$\frac{2y-4}{5} = \frac{5y+13}{4} + \frac{y}{2}$$

- 2. The sum of two consecutive odd integers is -148. Find the two integers.
- 3. Wayne County has a sales tax rate of 7%. How much does a used Honda Civic cost before tax, if the total cost of the car *including tax* is \$13,888.60?

4.	The price of a textbook after a $35\%$ markdown is \$29.25. What was the original price?
5.	A salesperson earns \$50 a day plus a 12% commission on sales over \$200. If their earnings for the day are \$76.88, how much merchandise did they sell?
6.	A volleyball court is twice as long as it is wide. If the perimeter is 177 ft, find the dimensions of the court.
7.	A family builds a rectangular pen for their rabbits, such that the length of the pen is 7 ft less than twice the width. If the perimeter is 40 ft, what are the dimensions of the pen?