Name:
Date: $\qquad$
Algebra I
Directions: Form let statement(s), set up an equation, and solve algebraically.

1. Twelve subtracted from $30 \%$ of a number is equal to 87 . Find the number.
2. When nine is subtracted from 80 percent of a number, the result is the same as 20 percent of the number. Find the number.
3. Three less than fifty percent of a number is equal to one-half. Find the number.
4. $25 \%$ of a number increased by seven is ten. Find the number.
5. When two is added to $20 \%$ of a number, the result is the same as $33 \frac{1}{3} \%$ of the same number. Find the number.
6. Four less than $10 \%$ of a number is equal to one. Find the number.
7. A rental car agency rented 120 cars, which was $60 \%$ of their fleet. How many total cars are in their fleet?
8. $30 \%$ of the sum of a number and twenty is 39 . Find the number.
