	VEY
Name	he I

12 = 0 mod 12

**Instructions**: Show all work. Partial credit can only be given where work is shown. Be sure to answer all parts of each question. You may not use a calculator on this quiz.

1. Calculate  $2 \otimes (3+6)$  in 12-clock.

$$9$$
 $209 = 9+9 = 18 \Rightarrow 6 \mod 12$ 
or  $203 + 206$ 
 $6 + 12$ 
 $12 = 6$ 

2. Find all n in  $-20 \le n \le 20$  so that  $n = 3 \mod 5$ .

3. Fill in each empty square so that the number in the square will be the sum of the pair of numbers beneath the square.

