Problem-Solving Strategy: Write an Equation

1. Mr. Martinez owns his own business. As a salary, he earns $2\frac{1}{2}$ times as much as Juan. Mr. Martinez makes $2,000 each week. How much is Juan paid per week?

   **UNDERSTAND**
   
   What information do you know?
   
   ________________________________
   
   What do you need to find out?
   
   ________________________________

   **PLAN**
   
   Which operation can you use to find out how much Juan is paid? ________________________________

   **SOLVE**
   
   Let $j$ represent Juan. What equation can you write to solve the problem?
   
   ________________________________
   
   How much is Juan paid?
   
   ________________________________

   **LOOK BACK**
   
   How can you check your answer?
   
   ________________________________

   Write an equation to solve the following problem.

2. In the last four weeks, Yow worked 150 hours. If she worked $\frac{1}{3}$ of the hours last week, how many hours did she work the previous three weeks? Explain your answer.