Variables

Identify what the variable represents in each equation.

1. Chen has 20 rows in his garden. He plants 6 rows of broccoli and he plants carrots in the rest of the rows. How many rows of carrots did Chen plant?  
   **Equation:** $6 + n = 20$

3. Ashley had $10 to buy lunch. She bought a sandwich for $3.50, a bowl of soup for $2.00, and a drink. She had $3 left. How much did Ashley’s drink cost?  
   **Equation:** $10 - 3.50 - 2.00 - m = 3$

5. There are 28 students in a classroom. Thirteen of the students are girls. Let the variable $b$ represent the number of boys in the class. Write an equation that could be used to find the value of $b$.

2. Bobby started with 50 bushels of apples. He has 16 bushels left to sell. How many bushels of apples has Bobby sold?  
   **Equation:** $50 - k = 16$

4. A jug contains 48 ounces of water. When the water is used to fill 3 identical glasses, there are 6 ounces left in the jug. How many ounces of water does each glass hold?  
   **Equation:** $48 - g - g - g = 6$

6. You decide what the following equation represents. $20 - d = 8$  
   Write a problem to fit the equation. Solve your problem.