Problem-Solving Strategy: Write an Equation

Write an equation to solve each problem.

1. Some days Tim commutes 4.5 hours to the city. Last month he commuted for 22.5 hours. How many days did he commute to the city?

2. Tim drives $\frac{1}{4}$ as far as Ken does to get to work. If Ken drives 48 miles each way, how far does Tim drive?

3. Tim is now earning $550 per week after receiving an increase of $45 per week. What was Tim’s previous weekly salary?

4. Last week Tim worked 42 hours during his five work days. How many hours did he work per day?

5. Ken was hired 2 years after Tim, so he makes 0.8 of what Tim earns. If Tim just received a raise to $600 each week, how much does Ken earn?

6. Tim’s and Ken’s boss is Anna. She earns $100 more each week than Tim and Ken combined. Using the information from Problem 5, how much does Anna earn each week?