

Name:

Date:

## Two-Step Equation Word Problems

Directions: Show all work in the boxes provided. Don't forget to check your answers!

1. Suppose that the water level of a river is 34 feet and that it is receding at a rate of  $\frac{1}{2}$  foot per day. How many days will it take for the water level to be 26 feet?

2. Nicole is earning some extra money by babysitting. She charges a flat fee of \$3, plus \$5 per hour. If she makes \$28, how many hours did she babysit?

3. A canoe rental service charges a \$20 transportation fee and \$30 an hour to rent a canoe. How many hours did he rent the canoe for if he paid \$200?

4. A water tank already contains 55 gallons of water when Baxter begins to fill it. Water flows into the tank at a rate of 8 gallons per minute. After how many minutes does the tank fill to 255 gallons of water?

5. Harry collects 100 pounds of aluminum cans to recycle. He plans to recycle an additional 25 pounds per week. How many weeks will it take Harry to collect 400 pounds of cans?

6. A music streaming service charges a \$20 membership fee each month. The streaming service charges \$1.50 for every song that you download. How many songs did you download if you paid \$45.50 in one month?