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 Name \_\_\_\_\_
 

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Solve.

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|---|---|-----------------|
| <p>1. Flying with the wind, a small plane flew 615 mi in 3 h. Against the wind, the plane could fly only 405 mi in the same amount of time. Find the rate of the plane in calm air and the rate of the wind.</p>    | <p>2. A jet plane flying with the wind went 2750 mi in 5 h. Against the wind, the plane could fly only 2450 mi in the same amount of time. Find the rate of the plane in calm air and the rate of the wind.</p> | <p>1. _____</p> |
|   |   | <p>2. _____</p> |
| <p>3. A cabin cruiser traveling with the current went 60 mi in 3 h. Against the current, it took 6 h to travel the same distance. Find the rate of the cabin cruiser in calm water and the rate of the current.</p> | <p>4. A motorboat traveling with the current went 72 mi in 4 h. Against the current, it took 6 h to travel the same distance. Find the rate of the boat in calm water and the rate of the current.</p>          | <p>3. _____</p> |
|   |   | <p>4. _____</p> |

## Additional Objective 4.4.2 Exercises

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|--|--|-----------------|
| <p>5. The total value of the quarters and nickels in a coin bank is \$14.00. If the quarters were nickels and the nickels were quarters, the total value of the coins would be \$22.00. Find the number of quarters in the bank.</p>                   | <p>6. A coin bank contains only quarters and dimes. The total value of the coins in the bank is \$8.80. If the dimes were quarters and the quarters were dimes, the total value of the coins would be \$7.30. Find the number of dimes in the bank.</p>                                    | <p>5. _____</p> |
|  |  | <p>6. _____</p> |
| <p>7. A restaurant manager buys 120 lb of hamburger and 60 lb of steak for a total cost of \$360. A second purchase, at the same prices, includes 200 lb of hamburger and 80 lb of steak. The total cost is \$540. Find the cost of 1 lb of steak.</p> | <p>8. A sheet metal shop ordered 60 lb of tin and 30 lb of a zinc alloy for a total cost of \$480. A second purchase, at the same prices, included 40 lb of tin and 70 lb of the zinc alloy. The total cost was \$770. Find the total cost per pound of the tin and of the zinc alloy.</p> | <p>7. _____</p> |
|  |  | <p>8. _____</p> |