**Using Rational Equations to Solve Context Problems – Notes**

**1)** Cleo can paint a room in 8 hours, while Phil can paint the same room in 6 hours. If they paint the room together, how long will it take them to paint the room?

**2)** Ricky paddles his canoe at a rate of 6 miles per hour in still water. Last weekend, he canoed on Carver Creek going downstream with the current for 9 miles and then returning upstream against the current. If the trip took him 4 hours to complete, what was the speed of the current?

**3)** Kiki walked to the grocery store which was 2 miles away. Her walking rate of the way back was 0.75 of her walking rate on the way to the store because she was carrying a bag of groceries. If it took Kiki 1 hour to make the round trip, what was her walking rate on the way to the store?