

Name: _____

Date: _____

Algebra I

Directions: Solve each word problem. Include a let statement, chart, and work to solve. Write your answer as a sentence.

1. If Lisa can paint a room in 4 hours, Joe can paint the same room in 5 hours. How long would it take them together?

2. If Brian and Tom could plow the field together in 8 hours and it would take Tom 12 hours alone. How long would it take Brian alone?

3. If Mary can organize the basement in 3 hours and Julie can organize it in 6 hours, how long would it take them together?

4. If Anne can complete a job in a half hour and Joan can complete the job in 20 minutes, how long would it take them together?

5. If Julie can clean her house in 6 hours and with Eric's help they can clean in it 4 hours. How long would it take Eric alone?