Name_____

Unit 8C - I CAN solve rational equations without a calculator

Solve each question. Round your answer to the nearest hundredth.

1) Working together, Julia and Sarawong can dig a 10 ft by 10 ft hole in 4.24 hours. Had he done it alone it would have taken Sarawong eight hours. How long would it take Julia to do it alone?

2) Working together, Jenny and Pranav can pick forty bushels of apples in 6.46 hours. Had he done it alone it would have taken Pranav 12 hours. How long would it take Jenny to do it alone?

3) It takes Jennifer 15 minutes to wash a car. Joe can wash the same car in 13 minutes. Find how long it would take them if they worked together.

4) Jose can tar a roof in 16 hours. Chelsea can tar the same roof in 9 hours. Find how long it would take them if they worked together.

5) Sarawong can wash a car in 15 minutes. Elisa can wash the same car in 10 minutes. Find how long it would take them if they worked together.