

Name \_\_\_\_\_

Date \_\_\_\_\_

## Lesson 20: Real-World Area Problems

### Exit Ticket

A homeowner called in a painter to paint bedroom walls and ceiling. The bedroom is 18 ft. long, 12 ft. wide, and 8 ft. high. The room has two doors each 3 ft. by 7 ft. and three windows each 3 ft. by 5 ft. The doors and windows do not have to be painted. A gallon of paint can cover  $300 \text{ ft}^2$ . A hired painter claims he will need 4 gal. Show that the estimate is too high.