

Test 8—Question 6: Problem Solving

6 Kyle's room is 12 feet wide and $9\frac{1}{4}$ feet long. Troy's room is $11\frac{1}{2}$ feet wide and 10 feet long.

Who has the larger room, and how much larger, in square feet, is this room than the other?

$$\begin{aligned}\text{Area of rectangle} &= lw \\ &= \text{length} \times \text{width}\end{aligned}$$

Show All Work

Answer _____ and _____ square feet