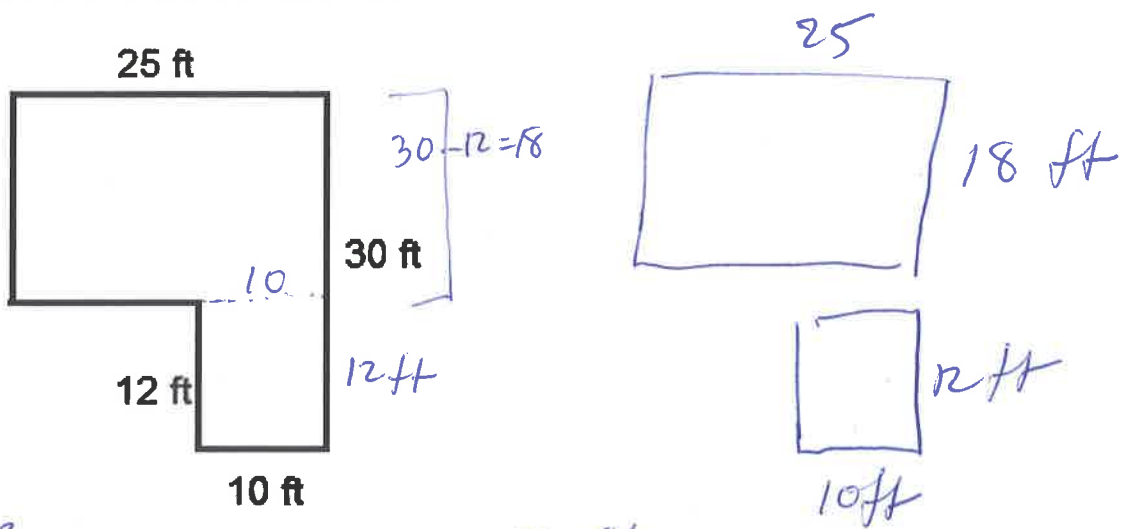


1. The perimeter of a rectangle is 64 ft, and its width is 11 ft. Find the length.

$$\begin{aligned}
 P &= 2L + 2W \\
 64 &= 2L + 2(11) \\
 64 &= 2L + 22 \\
 \underline{-22} & \qquad \underline{-22} \\
 42 &= 2L \qquad ; \quad L = 21 \text{ ft} \\
 \underline{\quad 2} & \qquad \underline{\quad 2}
 \end{aligned}$$

2. Find the area of the room below:



$$\begin{aligned}
 \text{ft}^2 & \qquad \text{ft} \cdot \text{ft} \qquad \text{ft} \cdot \text{ft} \\
 A &= (25)(18) + (10)(12) \\
 &= 450 + 120 \\
 &= 570 \text{ ft}^2
 \end{aligned}$$

$$\begin{array}{r}
 425 \\
 18 \\
 \hline
 200 \\
 25 \\
 \hline
 450
 \end{array}$$