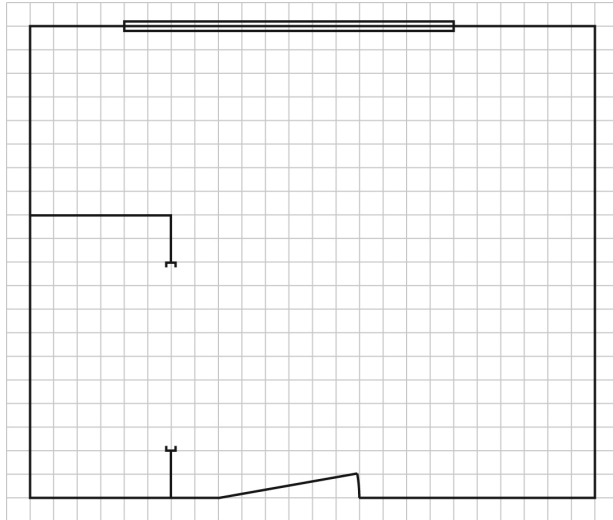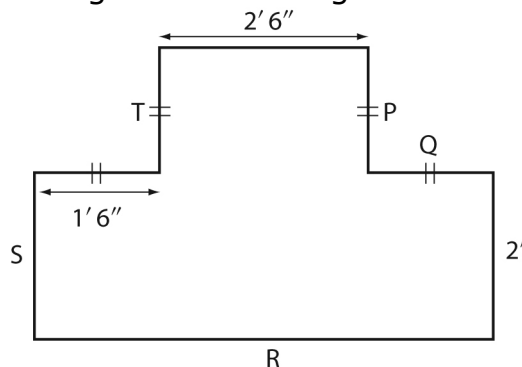# Section 2.1 Extra Practice

1. In the scale drawing of Doug's bedroom, 1 square represents 6 in.
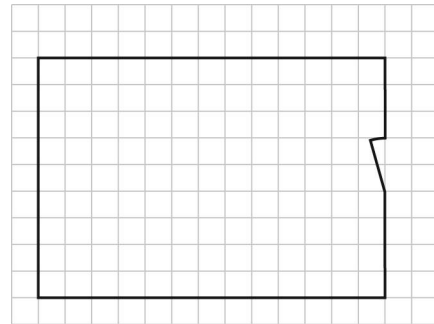
a) What are the dimensions of the room, including the closet?
b) What is the area of the closet?
c) What is the area of the room, without the closet?

2. Janie is building a playhouse that is a scale model of the family's bunkie. She lets 1 m represent 0.25 m. If the bunkie is 8 metres by 12 metres, what are the dimensions of Janie's model?

3. a) Determine the unknown lengths on the diagram.
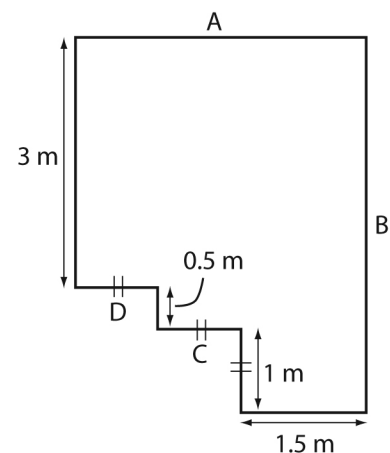
2' 6"
T
P
Q
1' 6"
S
2'
R

b) What is the perimeter of the figure?

4. Dory models are popular with tourists. One model has a scale of 1" to 9". The model is 2' 1" long. How long is the dory it represents?

5. You have floor tiles that are 0.5 m by 0.5 m. How many tiles do you need to cover the floor of the exercise room? One square on the diagram represents 1 m.

6. a) Determine the lengths of A, B, C, and D on the diagram.

A
3 m
0.5 m
B
D
C
1 m
1.5 m

b) Determine the perimeter of the figure.