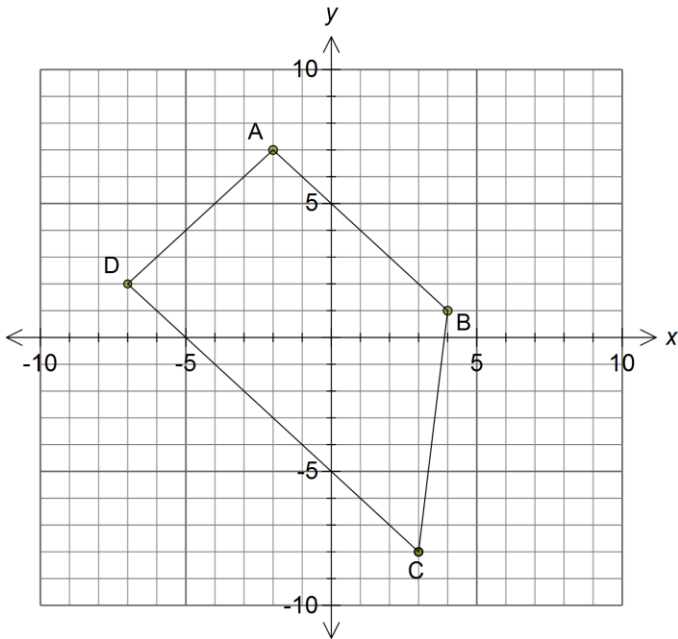


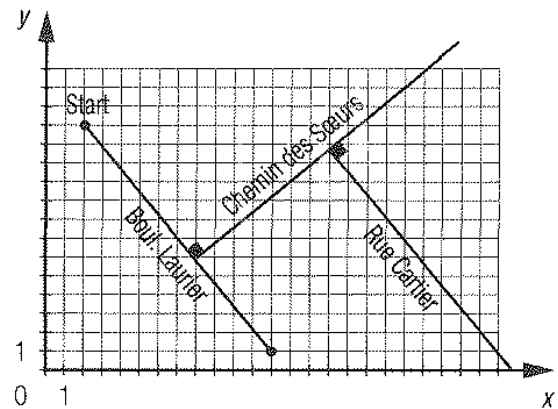
1. Here is the street-level floor plan of a house. The measurements are in metres. What is the price per square metre to cover the floor if the total cost is \$4 796?



2.

**A STROLL THROUGH TOWN** The adjacent graph shows a section of a city's streets. Your task is to determine the distance between the starting point and the intersection of rue Cartier and Chemin des Sœurs. The information regarding the three streets is as follows:

- Chemin des Sœurs divides Boulevard Laurier in a ratio of 3:2.
- Chemin des Sœurs is perpendicular to Boulevard Laurier.
- The x-coordinate of the intersection of rue Cartier and Chemin des Sœurs is 15.



3.

**A STRAIGHT FENCE** A manufacturer of wooden fence panels controls production requirements using a computer-controlled laser. This ensures that the spacing between the planks is even and that the boards are parallel to each other and perpendicular to the pieces of wood which support them. What are the coordinates of points A, B, C, D, E, F and G if production is to meet the manufacturer's requirements?

