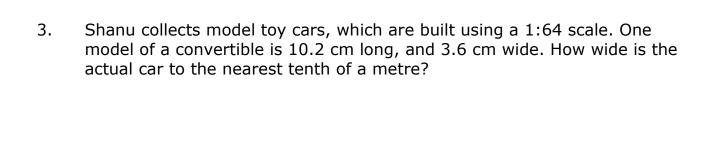**GRADE 11 ESSENTIAL**
UNIT H DESIGN AND MODELLING
SCALE PRACTICE

Name: _____

1. Emma is a limousine driver who often needs to read a map. The map she is currently looking at has a scale of 1 cm to 5 km. What is the scale ratio (pure scale factor without dimensions) of this map?

2. Kensington is a long-distance truck driver. The map he is currently looking at has a scale of 1 cm to 100 km. If the map shows a distance of 8.3cm what is the actual distance that Kensington will drive?

3. Shanu collects model toy cars, which are built using a 1:64 scale. One model of a convertible is 10.2 cm long, and 3.6 cm wide. How wide is the actual car to the nearest tenth of a metre?

4. Franca, an architect in Toronto, is creating a scale drawing of a home. The scale she is using is 0.25 inches to 1 foot. The height, length and width of the drawing of the home are 6 in., 6.8 in., and 9.9 in. What is the length of the actual house?