Practice worksheet | Measurement and scale

Proportion/scaling of objects

Name: _____ Date: _____

6 questions | 13 marks

1. A $1:200$ plan shows a 6 cm wall. Find real length. [2 marks]

2. A $1:25$ model boat is 32 cm long. Find real length. [2 marks]

3. Enlarge a 15 cm length by factor 1.2. Find the new length. [2 marks]

4. A 9 m wall is drawn as 18 cm. Find the scale. [2 marks]

5. Similar triangles have matching sides 4 and 10 cm. A 7 cm side of the smaller matches what larger length? [2 marks]

6. A 20 by 12 cm picture is reduced to width 15 cm without distortion. Find height and justify your factor. [3 marks]