Square and Cube Roots Quiz /20

1. Evaluate the following radicals **without using a calculator**. If the answer is rational, give an exact simplified answer. If the answer is irrational, give the answer as a decimal rounded to the nearest tenth. *2 marks each*.

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |

1. Given evaluate **without using a calculator**. *2 marks*
2. The area of a rectangle with length three times its width is 675 cm2. Find the dimensions of the rectangle. *3 marks*
3. The surface area of a sphere is given by where is the radius of the sphere. Find the radius of a sphere whose surface area is cm2. *3 marks*