Practice worksheet | Circles, area and volume

Mixed measurement applications

Name: _____ Date: _____

6 questions | 18 marks

1. A rectangular bed is 6 m by 4 m. Soil is added to a uniform depth of 0.2 m. Find the soil volume. [3 marks]

2. A 2 m³ tank is 60% full. Find the water volume in litres. [3 marks]

3. A 3 m by 2 m rectangle is covered using sheets of area 0.8 m² each. Ignore overlap. Find the minimum number of whole sheets by area. [3 marks]

4. A circular flowerbed has radius 2 m. A gardener doubles the radius. What happens to the area? [3 marks]

5. A tank measures 1.2 m by 80 cm by 50 cm internally. Find its capacity in litres. [4 marks]

6. A garden is shown only by a sketch with no scale or dimensions. Can its actual area be calculated? Explain. [2 marks]