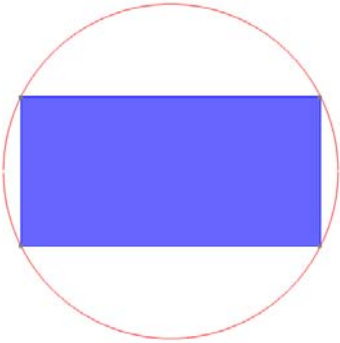


## USE OF A CALCULATOR

Name:

Assessment Criteria: Use a calculator efficiently and appropriately to perform complex calculations with numbers of any size, knowing not to round during intermediate steps of a calculation

1. The diagram below shows a 3 cm by 6 cm rectangle inscribed in a circle. What is the area of the circle?



\_\_\_\_\_cm<sup>2</sup>

2. What is the same/different about the following:

a)  $\frac{3.9 - 4.5}{2.5}$

b)  $(-2.4)^3$

c)  $\frac{3 \times 0.2^2}{0.8 \times 0.9 - 0.22}$

d)  $(-4.8)^2$

Overall, I think my success level is:

Low      High  
○ ○ ○ ○

| Q                      | USE OF A CALCULATOR  | ☺ | ☹ |
|------------------------|--|---|---|
|                        | I can use my calculator to carry out calculations involving $\pi$                        |   |   |
|                        | I can use my calculator to carry out calculations involving brackets                     |   |   |
|                        | I can use my calculator to carry out calculations involving powers                       |   |   |
|                        | I can use my calculator to carry out calculations written as a fraction                  |   |   |
|                        | I can use my calculator to carry out calculations involving combinations of these things |   |   |
|                        | I know when it is appropriate to round when carrying out a complex calculation           |   |   |
|                        | <i>I can justify generalisations, arguments or solutions</i>                             |   |   |
| I need to practise ... |  |   |   |