

# Area of a Rectangle

## Practice Your Understanding

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. Write down the equation for calculating the area of a rectangle below:

2. Using this formula calculate the area of a rectangle that has a length of  $12.54\text{ m}$  and a width of  $10.61\text{ m}$ . Show all work and record your answer below:

3. Given the area of a rectangle to be  $40\text{ m}^2$ , and the length to be  $\sqrt{23}\text{ m}$  find the width of the rectangle. You can use a calculator for this problem, but show all the steps you would take to solve this problem and record your answer below:

4. What is the area of a rectangle that has a length of  $\frac{1}{\sqrt{2}}\text{ m}$  and a width of  $\frac{3}{\sqrt{2}}\text{ m}$ . You can use a calculator for this problem, but show all the steps you would take to solve this problem and record your answer below:

