WORKSHEET

Name: _____ Class: _____

Date: _____

MARK _____ / 24

Answer all questions. Show all your working — marks are awarded for method as well as the final answer.

1 The product of two consecutive positive integers is 132. Determine the integers. **(4)**

2 A rectangle is 3 m longer than it is wide and has an area of 40 m^2. Determine its dimensions. **(4)**

3 The sum of a number and its square is 56. Determine the number if it is positive. **(3)**

4 A cyclist rides 60 km. Riding 5 km/h faster would take 1 hour less. Determine her speed. **(4)**

5 Two consecutive POSITIVE even numbers have a product of 168. Determine them. **(3)**

6 Why must you write down a line rejecting one of the two answers? **(2)**

7 A rectangle's length is twice its width. Its area is 72 m^2. Determine the width. **(3)**

8 What is the first line you should write in any word problem? **(1)**

TOTAL: 24 marks

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