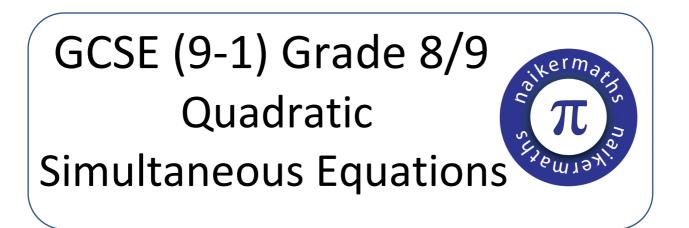
Name:....

Total Marks:....



#### Instructions

- Use **black** ink or ball-point pen.
- Fill in the boxes at the top of this page with your name.
- Answer all questions.

Answer the questions in the spaces provided

- there may be more space than you need.
- Show all your working out

#### Information

- The total mark for this paper is 90.
- The marks for **each** question are shown in brackets.
  - use this as a guide as to how much time to spend on each question.
- Questions labelled with an **asterisk** (\*) are ones where the quality of your written communication will be assessed

# Advice

- Read each question carefully before you start to answer it
- Attempt every question
- Check your answers if you have time at the end



$$y = x^2$$
$$y = 2x + 15$$

 $x = \dots, y = \dots$ 

 $x = \dots, y = \dots$ 



$$y = x^2$$
$$y = 7x - 10$$

 $x = \dots, y = \dots$ 

 $x = \dots, y = \dots$ 



$$y = 2x^2$$
$$y = 20 - 3x$$

*x* = ....., *y* =.....

 $x = \dots, y = \dots$ 



$$y = 3x - 1$$
$$x^2 + y^2 = 5$$

*x* = ....., *y* =.....

 $x = \dots, y = \dots$ 



$$x^2 + y^2 = 20$$
$$y = 10 - 2x$$

 $x = \dots, y = \dots$ 

 $x = \dots, y = \dots$ 



$$y = 3x + 2$$
$$x^2 + y^2 = 20$$

*x* = ....., *y* =.....

 $x = \dots, y = \dots$ 



$$2x + y = 6$$
$$x^2 + y^2 = 20$$

 $x = \dots, y = \dots$ 

 $x = \dots, y = \dots$ 



$$2x - y = 7$$
$$x^2 + y^2 = 34$$

 $x = \dots, y = \dots$ 

 $x = \dots, y = \dots$ 



$$y = 5x - 1$$
$$y = (x + 1)^2$$

 $x = \dots, y = \dots$ 

 $x = \dots, y = \dots$ 



$$xy = 12$$
$$y - 3x = -9$$

*x* = ....., *y* =.....

 $x = \dots, y = \dots$ 



$$xy = 9$$
$$y - 3x = 6$$

 $x = \dots, y = \dots$ 

 $x = \dots, y = \dots$ 



$$xy = 7$$
$$y - 2x = 5$$

 $x = \dots, y = \dots$ 

 $x = \dots, y = \dots$ 



$$x^2 + y^2 = 25$$
$$y - 2x = 5$$

*x* = ....., *y* =.....

 $x = \dots, y = \dots$ 



$$y = 3x^2 + 7x + 9$$
$$y = 4x + 15$$

*x* = ....., *y* =.....

 $x = \dots, y = \dots$ 



$$3y^2 + 4x^2 = 16$$
$$y - 2x = -4$$

 $x = \dots, y = \dots$ 

 $x = \dots, y = \dots$ 

(Total 7 marks)

**TOTAL FOR PAPER IS 90 MARKS**