AQA, OCR, Edexcel

GCSE

GCSE Maths

Graph Exam Questions

Name:

MME

Mathsmadeeasy.co.uk

Total Marks: /23

Graph Exam Questions

1. Sketch the following functions on the set of axes below:
   a. $x^2 + y^2 = 25$
   b. $y = 3x + 4$
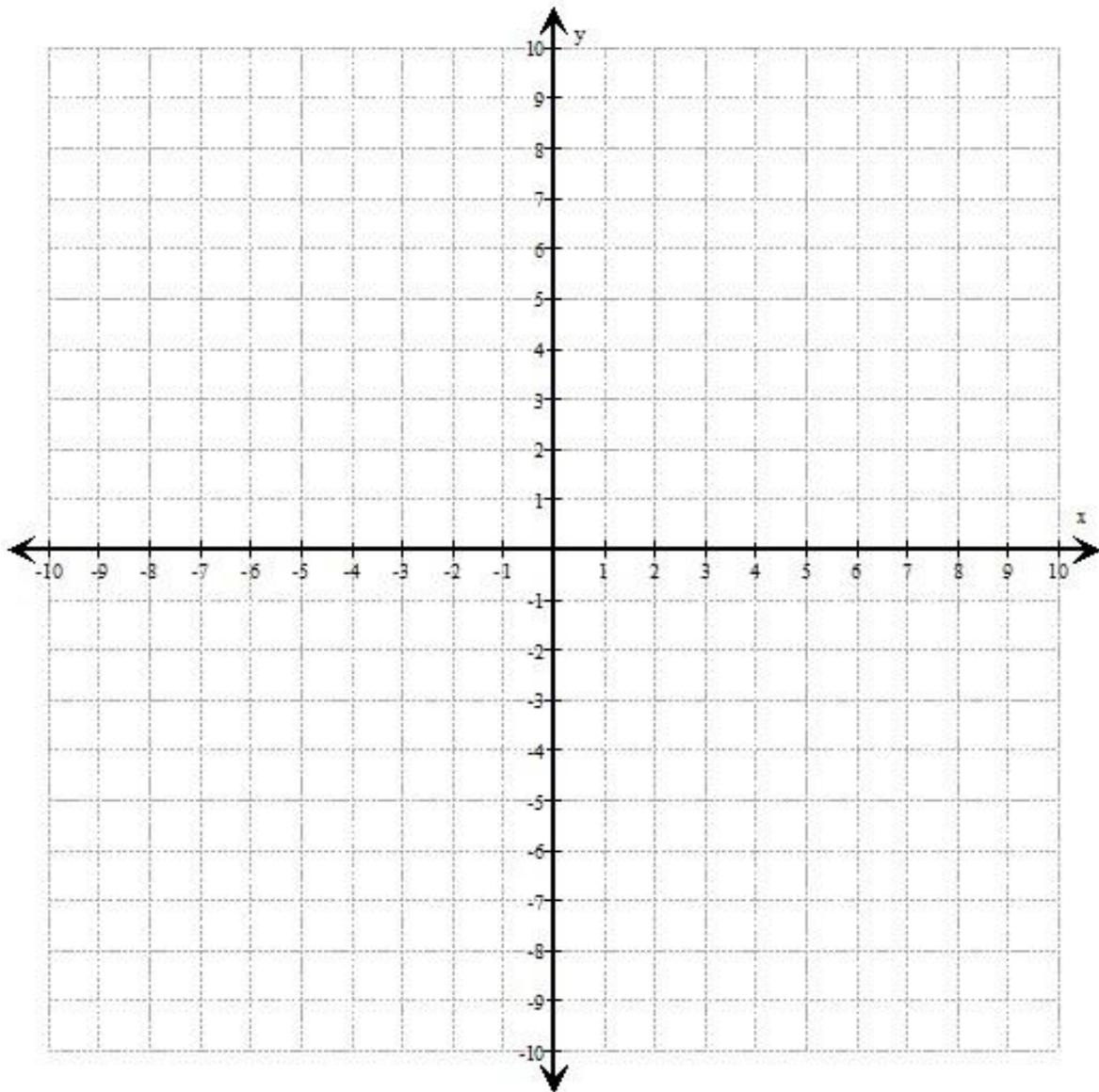
   a. Use the Graph to estimate the solutions to the pair of simultaneous equations above.

(8 Marks)

2. The graph of $J = NP^a$ is plotted below.
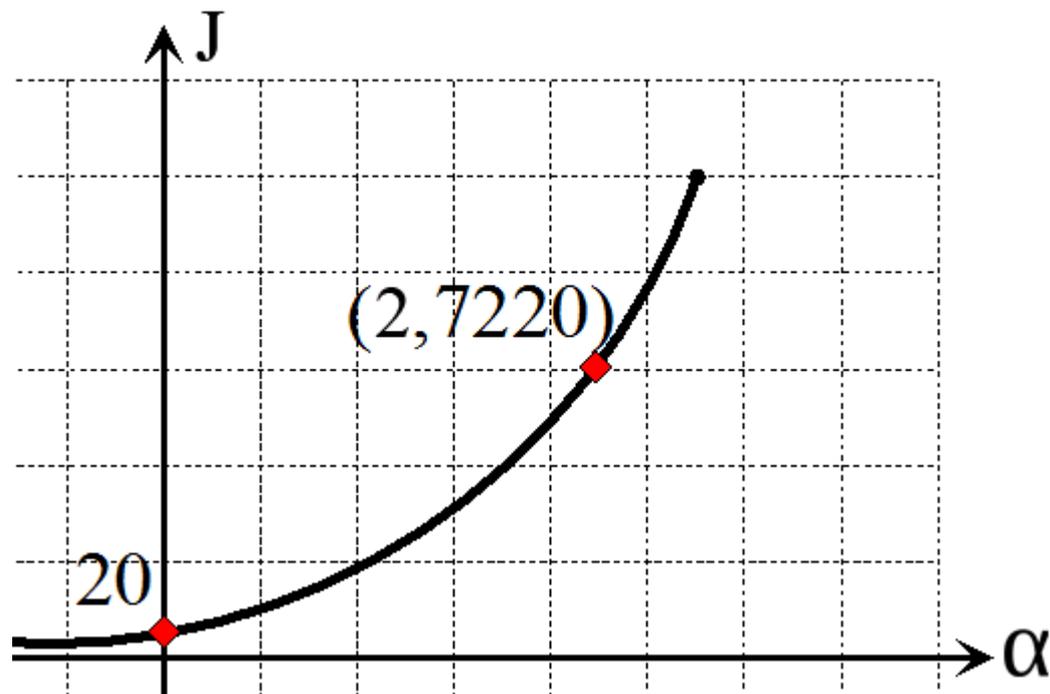
Given that N and P are positive constants, find the values of N and P.

(4 Marks)

3. Use the axes below to help you answer the following questions:
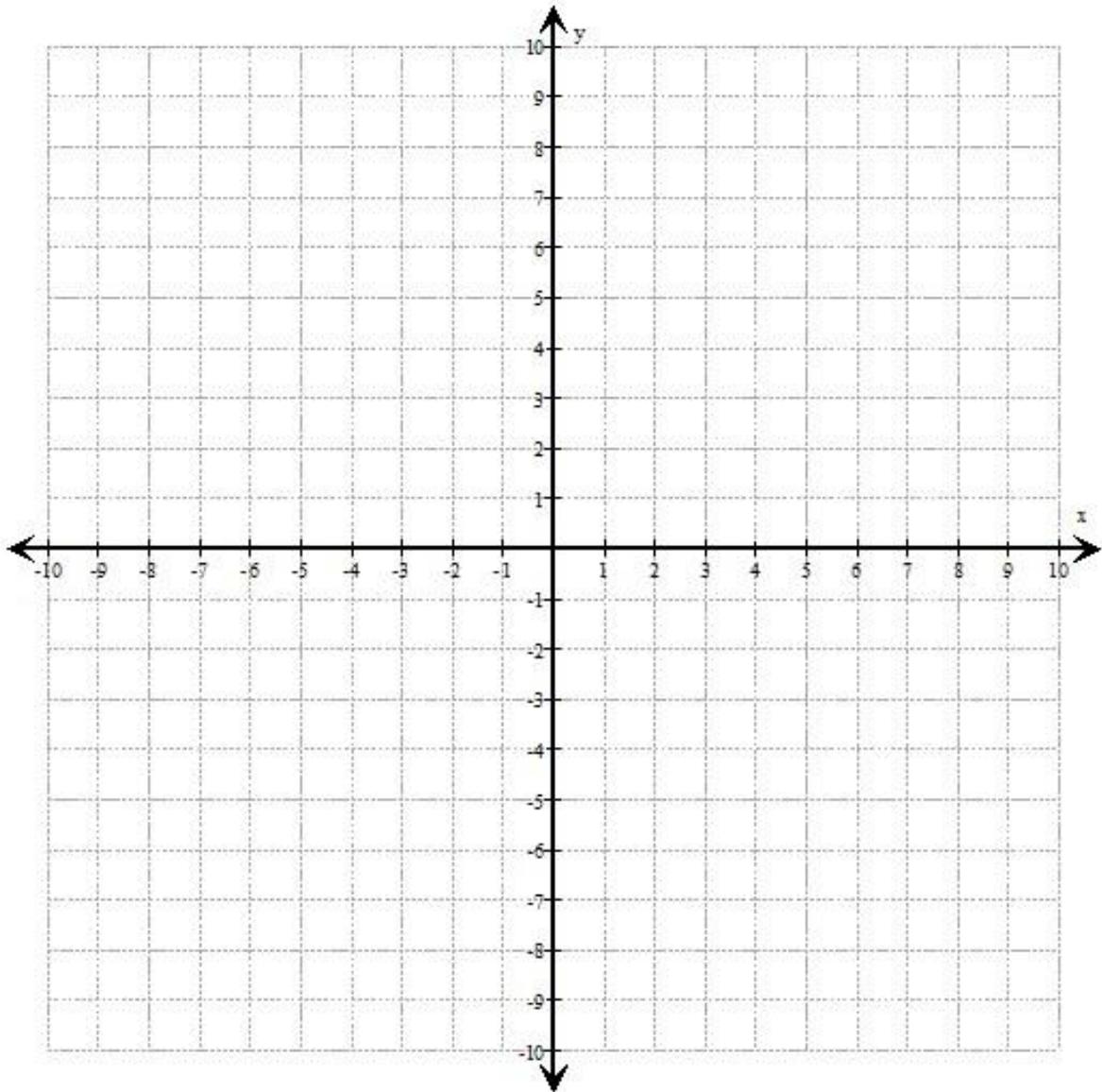
a. Plot the graph of $y = 2x^2 - x$.

b. Use your plot to estimate the solution(s) to $2x^2 - x = 5$.

c. Write down the equation of the line you would need to draw on the axes to estimate the solution(s) to $2x^2 - 4x - 1 = 0$.

(6 Marks)

4. Use the axes below to help you answer the following questions:

   a. Plot the graph of $y = 2\sin(x)$ for $x\ -360° < x > 360°$.
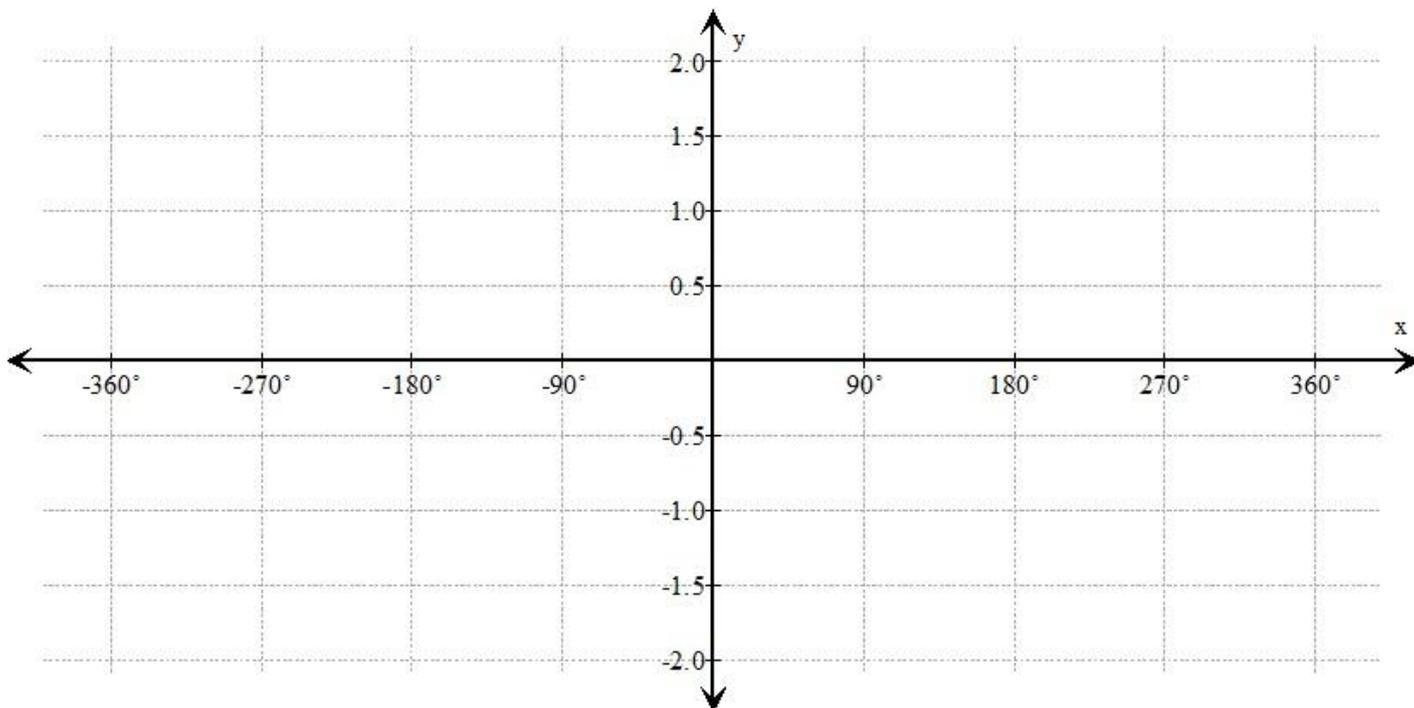
   b. Use the graph from part (a) to estimate the solution(s) to $2\sin(x) = 1.5$ for x values between $0°$ and $360°$.

(5 marks)