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Assessment Questions

Answer the following questions to verify your knowledge of the topics taught in this module. Your answers contribute to your grade for the course. You must achieve an overall grade of 70% to pass this course.

You are permitted only **one** attempt at each question, so think carefully before answering.

To protect the integrity of the assessment, the correct answers are not provided.

If anything is unclear, feel free to post a question in the discussion forum; but do **not** post answers (or information that makes the correct answer easy to guess). In the event of a dispute, the decision of the course staff is final.

Assessment 1.1

1/1 point (graded)

Solve the following linear equation for y :

$$2y + 4 = 8x$$

Enter the solved equation

Your answer should be in the format $y = \dots$

$y=4x-2$



Submit

You have used 1 of 1 attempt

Assessment 1.2

1/1 point (graded)

What is the *slope* of the following linear equation?

$$3x + 6y = 15$$



You have used 1 of 1 attempt

Assessment 1.3

2.0/2.0 points (graded)

Solve the following system of equations for x and y :

$$2x + 3y = 23$$

$$x + 4y = 24$$

$x =$



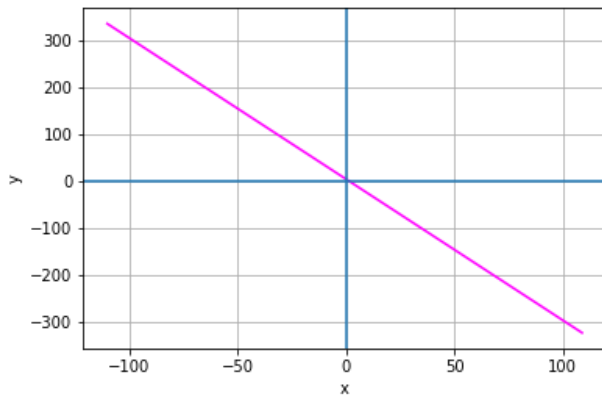
$y =$



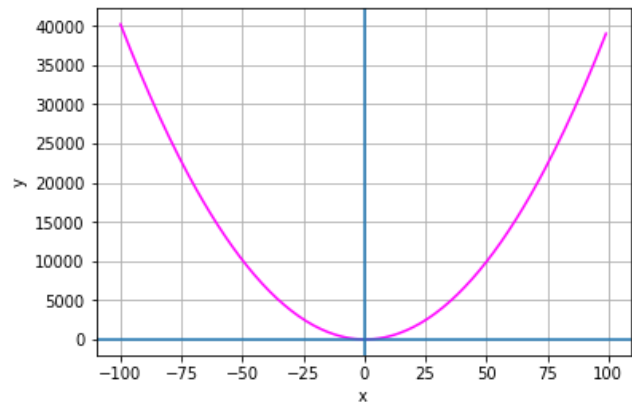
You have used 1 of 1 attempt

Assessment 1.4

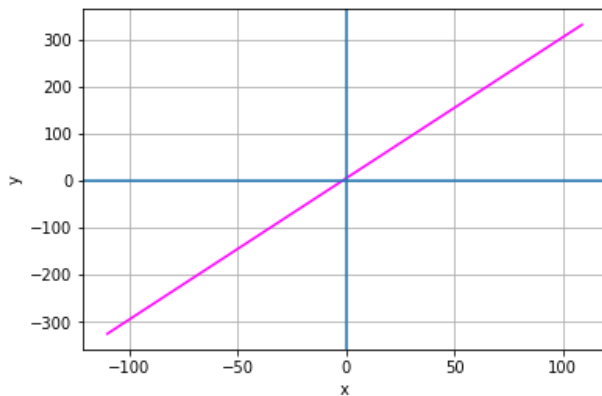
1/1 point (graded)



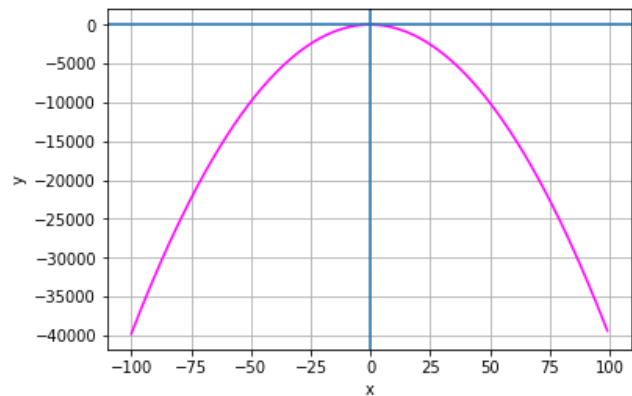
Graph 1



Graph 2



Graph 3



Graph 4

Which of these graphs is produced by the following equation?

$$4x^2 - 2x + 1$$

☐ Graph 1

☒ Graph 2

☐ Graph 3

☐ Graph 4



You have used 1 of 1 attempt

Assessment 1.5

1.0/2.0 points (graded)

Find the x and y vertex coordinates for the following quadratic equation

$$y = 3x^2 - 12x + 4$$

 $x =$  $y =$ 

You have used 1 of 1 attempt

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