Math 009, Spring 2017, US1
Optional Quiz 5 (EA Text: 3.1, 3.3 - 3.6) Instructions
Optional Quiz 5 (EA Text: 3.1, 3.3 - 3.6) is DUE IN-CLASS on Thursday, February 23, 7:00 pm
In fairness to all (Fair is fair!), I will NOT accept any late Quizzes.

Please carefully read/follow these Optional Quiz 5 Instructions:

1.) **Please show all your work, solutions and answers, where needed to receive full credit. Answers alone will not receive credit.**

2.) **Please do not submit scratch paper. I want your best work- a finished product!**

3.) **You can use your textbook, notes, HWs, but not each other or someone else.**

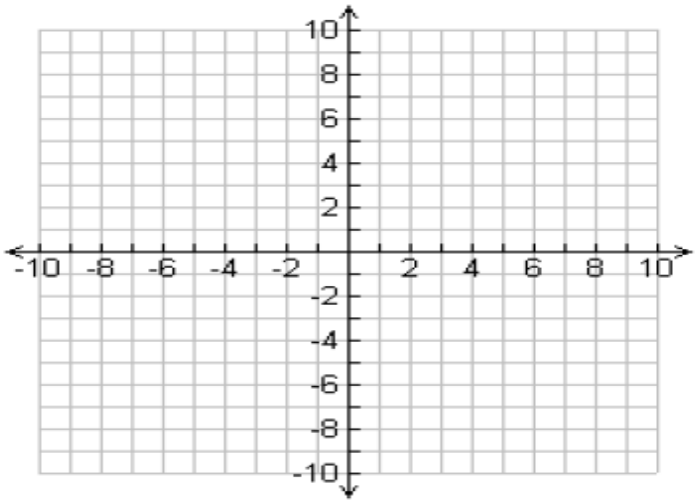
Please carefully read and sign the following "Academic Integrity and Honor Statement" below which must be submitted with Optional Quiz 5.

Academic Integrity and Honor Statement

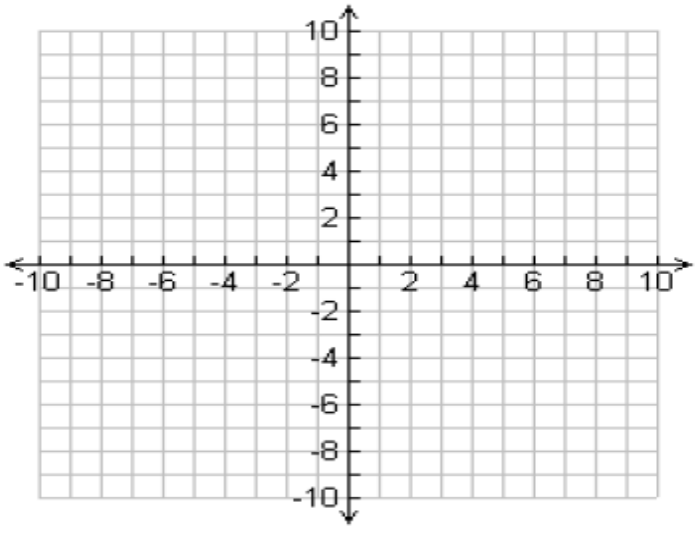
I understand the required conditions, the possibility of failure of this Optional Quiz 5 and this Math 009 class and/or disciplinary action by the University of Maryland University College if academic integrity is violated in taking this Math 009 Optional Quiz 5. I hereby certify that I have taken this Math 009 Optional Quiz 5 alone, without receiving or giving any help/consultation on this Optional Quiz 5.

Name (PLEASE PRINT)_____
Signature_____
UMUC Student Number_____
Date_____

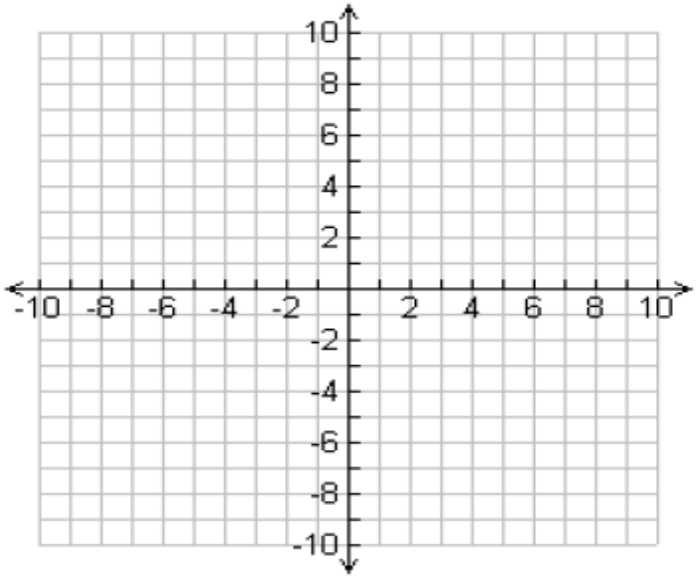
1.) (**3 points**) On the graph “paper” below, graph the equation 2x - y = 2 with a ruler. **Please show all work for arriving at points to plot and label plotted points.**



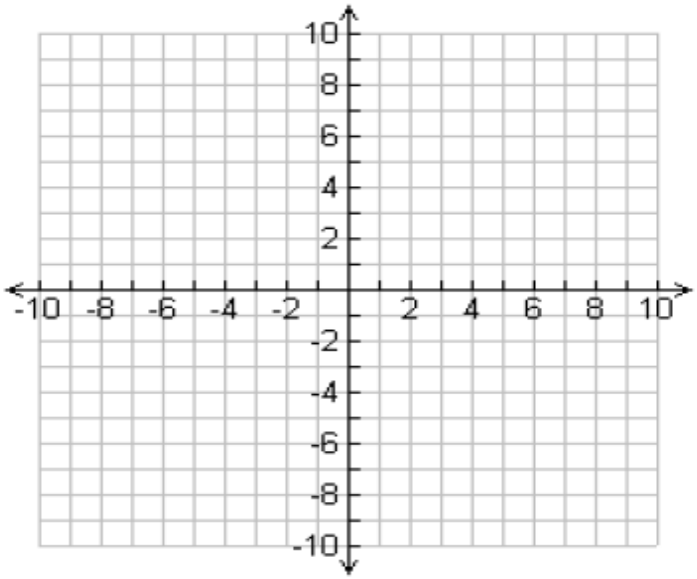
2.) (**3 points**) On the graph “paper” below, graph the equation x - 2y = 4 with a ruler. **Please show all work for arriving at points to plot and label plotted points.**



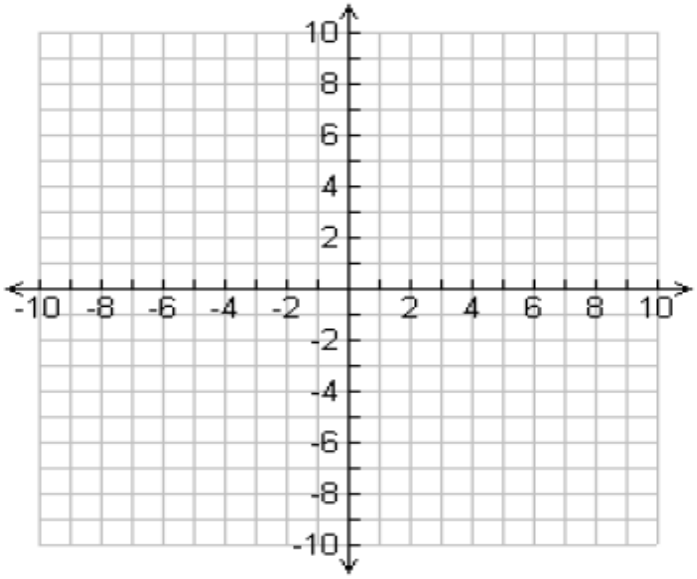
3.) (**3 points**) On the graph "paper" below, graph the equation y = 2x - 4 with a ruler. **Please show all work for arriving at points to plot and label plotted points.**



4.) (**3 points**) On the graph "paper" below, graph the equation y = - 4 with a ruler. **Please show all work for arriving at points to plot and label plotted points.**



5.) (**3 points**) On the graph "paper" below, **graph the equation** 4 = x with a ruler. **Please show all work for arriving at the points to plot and label plotted points.**



6.) (**3 points**) **Find the slope** of the line passing through the points (-6, - 4) and (0, 8), and find the slope-intercept form of the equation of the line. **Please show all your work and explain your answer.**

7.) (**3 points**) **Find the slope and the y-intercept** of the line represented by the equation 2x -5y = 10. **Please show all your work and explain your answer.**

8.) (3 points) **Find the slope** of the line represented by the equation x = - 4.
Please show all your work and explain your answer.

9.) (**3points**) Determine the **slope** and the **y-intercept** of the line
3x + 2y = 4. **Please show all your work and explain your answer.**

10.) (**3 points**) Determine whether the graphs of the lines given by the equations below are: parallel, perpendicular, or neither:
6x + 2y = 12, and
y = -3x + 4.
Please show all work and explain your answer.

11.) (**3 points**) Find the equation of the line with slope $\frac{2}{3}$ and passing through the point (-1, - 4). **Write the equation in standard form Ax + By = C.**

12.) (4 **points**) Find the s**lope-intercept form** of the equation of the line passing through the points (- 4, - 5) amd (-2, -3). **Also, write the equation in standard form Ax + By = C.**

13.) (**3 points**) Find the equation of the line passing through the points (3, - 4) amd (4, - 4). **Write the equation in standard form Ax + By = C.**

14.) (**3 points**) Find the **slope-intercept form** of the equation of the line with slope $-\frac{2}{3}$ and y-intercept = (0, 6). **Also, write the equation in standard form Ax + By = C.**