Math 100 Class Work

Consider the following three linear relationships. Sketch a graph of each relationship on the grid to the right, and in each case identify the line's slope and y-intercept. How are the graphs of the relationships (b) and (c) related to the graph of relationship (a)?

a. $y = 2x + 4$

b. $y + 0.5x = 8$

c. $2y + x = 20$