

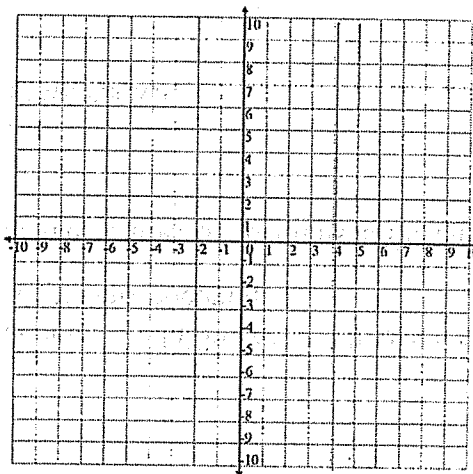
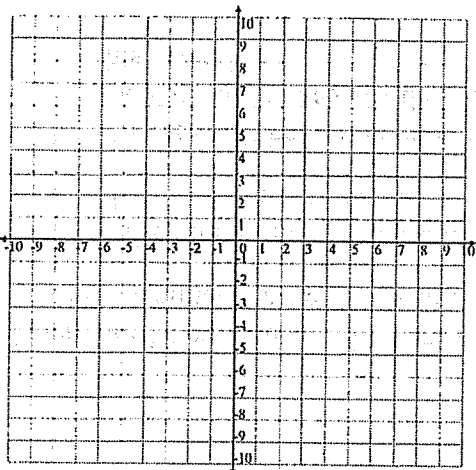
# 4.1

## Practice B (minimum 3 pts. plotted)

Graph the linear equation.

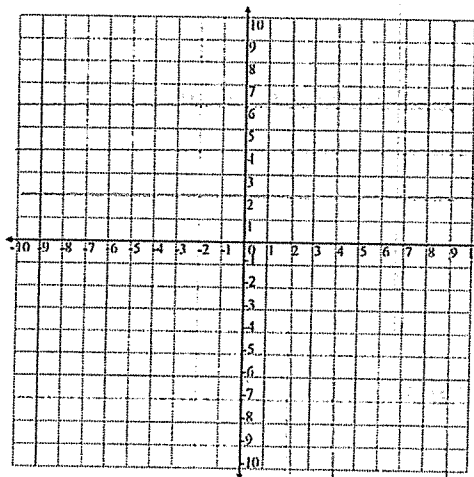
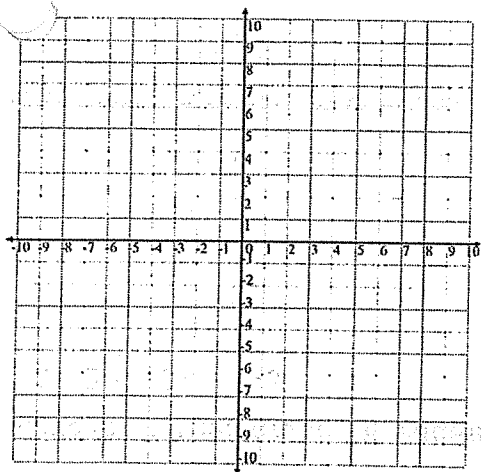
1.  $y = 3.5$

2.  $y = \frac{4}{5}x$



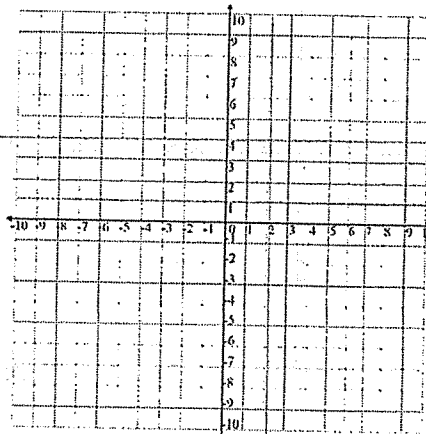
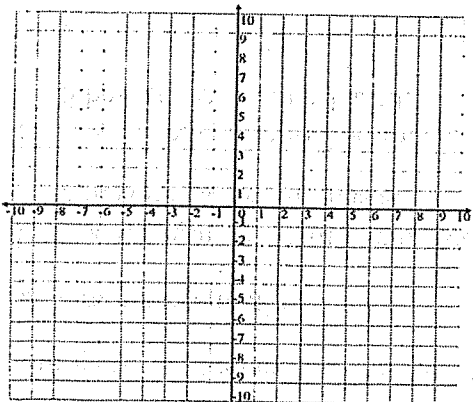
3.  $y = \frac{2}{3}x - 2$

4.  $y = -\frac{1}{10}x + 4$



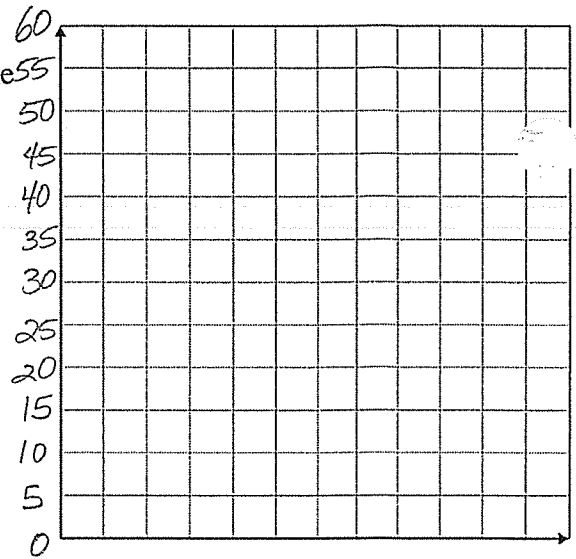
5.  $y = \frac{10}{3}x$

6.  $y = -\frac{x}{2} + \frac{3}{2}$



7. The equation  $y = 1.5x + 35$  represents the cost  $y$  (in dollars) of the family meal when the food costs \$35 and  $x$  beverages are purchased.

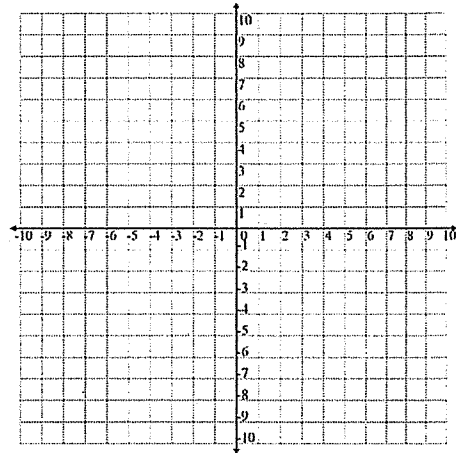
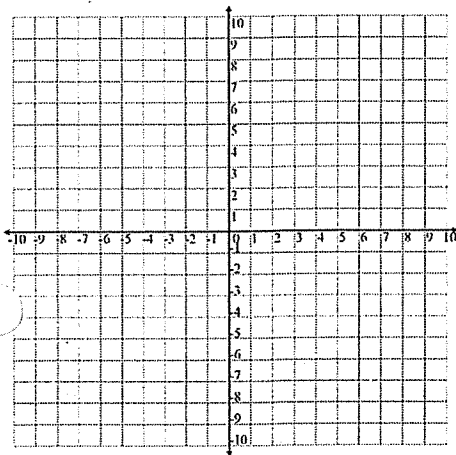
- Graph the equation.
- Use the graph to estimate the cost of the family meal when 5 beverages are purchased.
- Use the equation to find the exact cost of the family meal when 5 beverages are purchased.



Solve for  $y$ . Then graph the equation.

8.  $2y + 3x = -6$

9.  $x + 0.25y = 1.5$



10. There are 10 coconuts at the base of your tree. The coconuts are falling off the tree at a rate of 6 coconuts per week. Assume that you do not pick up any coconuts.

- Write and graph a linear equation that represents the number of coconuts at the base of your tree after  $x$  weeks.
- The tree will have no coconuts on it when there are 52 coconuts at the base of the tree. After how many weeks will this occur?

