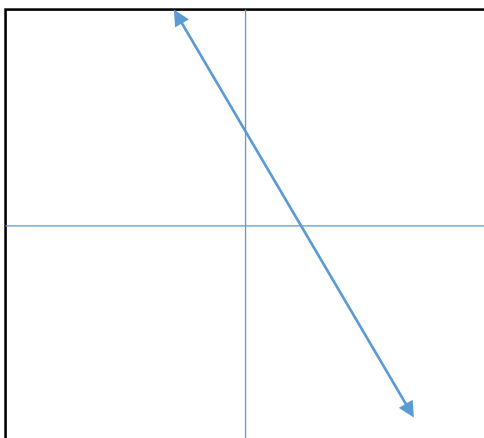# How to Graph
Linear Functions-Basic Overview
Graphing Calculator Worksheet

Use the graphing calculator to graph the following functions. Once the line is graphed sketch the graph on an appropriate window. Identify the window used and then use the trace key to determine the approximate value of the x-intercept.

Example: $y = -2x + 3$

Xmin=____-10_____

Xmax=____10_____   Approximate value of
                           the x-intercept:
Ymin=____-10_____

Ymax=____10_____   _____1.49_____

1. $y = \frac{2}{3}x - 4$

Xmin=_____

Xmax=_____   Approximate value of
                        the x-intercept:
Ymin=_____

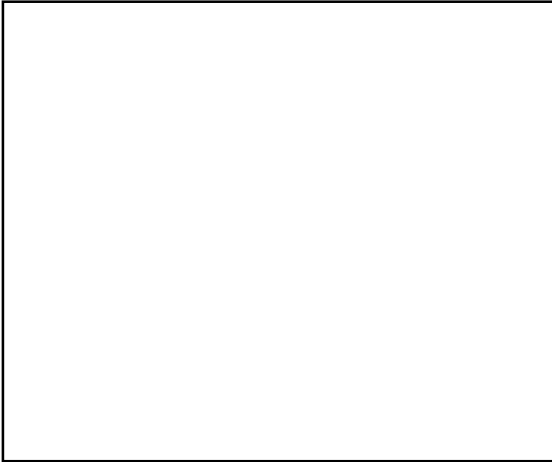Ymax=_____   _____
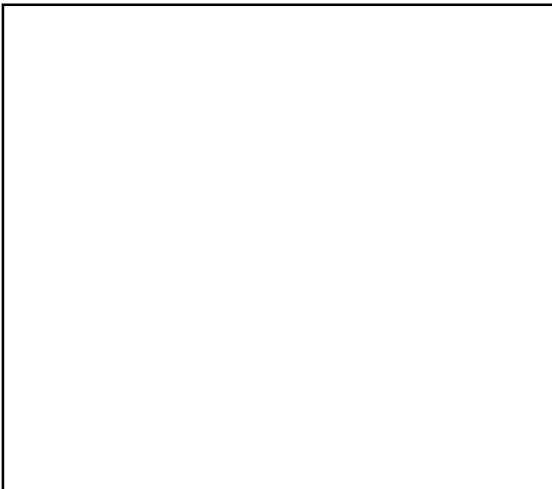
2. $y = -\frac{4}{3}x + 8$

Xmin=_____

Xmax=_____

Ymin=_____

Ymax=_____

Approximate value of
the x-intercept:

_____

3. $y = -2x + 24$

Xmin=_____
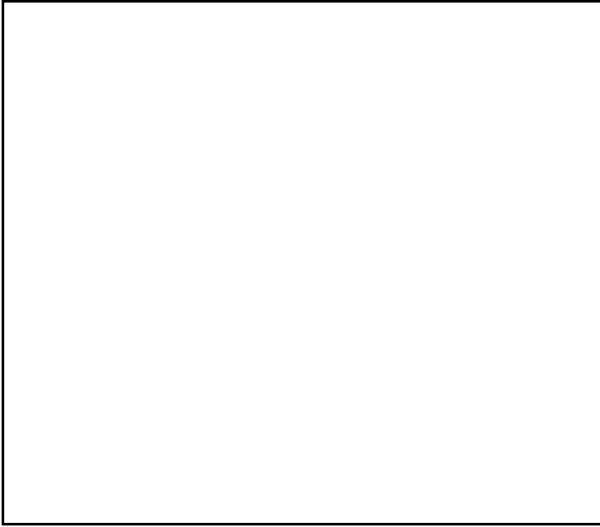
Xmax=_____

Ymin=_____

Ymax=_____

Approximate value of
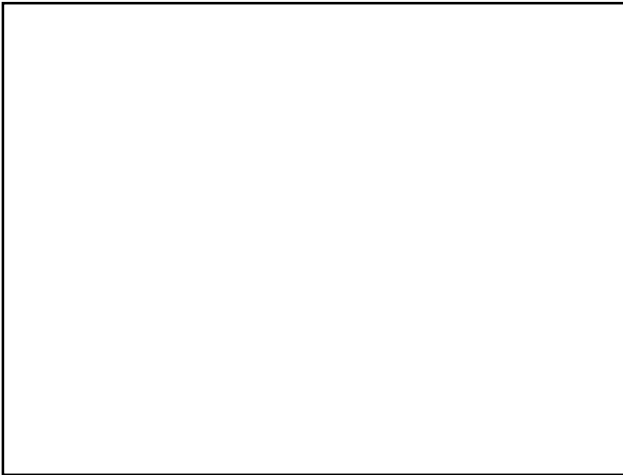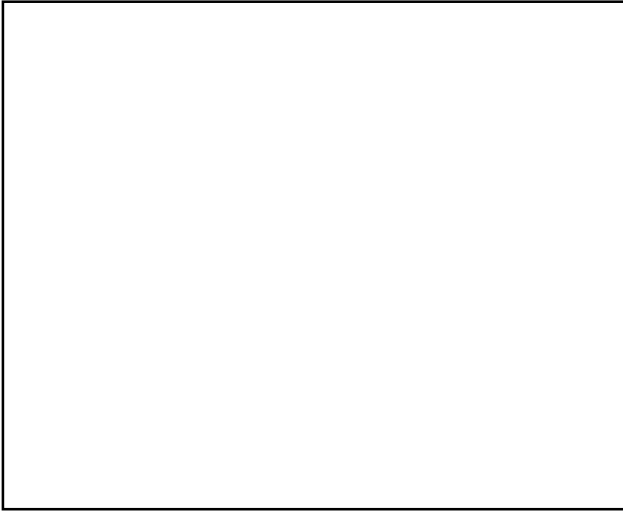the x-intercept:

_____

4. $y = \dfrac{5}{2}x - 16$

Xmin=_____

Xmax=_____   Approximate value of
                        the x-intercept:
Ymin=_____

                        _____
Ymax=_____

5. $y = -\dfrac{1}{3}x + 5$

Xmin=_____

Xmax=_____   Approximate value of
                        the x-intercept:
Ymin=_____

                        _____
Ymax=_____

6. $y = \frac{3}{2}x - 18$

Xmin=_____

Xmax=_____   Approximate value of
                   the x-intercept:
Ymin=_____

                   _____
Ymax=_____

7. $y = -\frac{7}{3}x + 50$

Xmin=_____

Xmax=_____   Approximate value of
                   the x-intercept:
Ymin=_____

                   _____
Ymax=_____