

## Linear Functions and Models

1. Graph each linear function

$$G(x) = -3x + 2$$

2. Graph each linear function

$$P(x) = -\frac{2}{3}x - 1$$

3. Find the zero of the linear function

$$f(x) = 2x + 10$$

4. Find the zero of the linear function

$$p(q) = \frac{1}{6}q + 3$$

5. (a) Draw a scatter diagram of the data  
(b) Select two points from the scatter diagram and find the equation of the line containing the points selected.  
(c) Graph the line found in part (b) on the scatter diagram

x	1	2	3	4	5
y	2.4	3.2	5.7	9.1	11.2