**Finding the Gradient and y-Intercept**

Find the gradient and the coordinates of the y-intercept for the straight lines given by these equations:

(a) $y=2x+1$ (b) $y=2x+3$

(c) $y=3x+2$ (d) $y=-3x+2$

(e) $y=-3x-2$ (f) $y=-3x-7$

(g) $y=-3x$ (h) $y=5x$

Find the gradient and the coordinates of the y-intercept for the straight lines given by these equations:

(a) $y=x+1$ (b) $y=x-5$

(c) $y=-x+5$ (d) $y=\frac{1}{2}x+2$

(e) $y=-\frac{1}{2}x+5$ (f) $y=\frac{1}{3}x-6$

(g) $y=-\frac{2}{3}x$ (h) $y=-\frac{2}{3}x+\frac{5}{3}$

Find the gradient and the coordinates of the y-intercept for the straight lines given by these equations:

(a) $y=1+2x$ (b) $y=1-2x$

(c) $y=5+2x$ (d) $y=-5+2x$

(e) $y=7-\frac{1}{2}x$ (f) $y=-6+\frac{2}{3}x$

Write down the equations of each straight line, given the following information:

(a) The gradient is 5 and the coordinates of the y-intercept are (0, 7).

(b) The gradient is -1 and the coordinates of the y-intercept are (0, 9).

(c) The gradient is $\frac{3}{4}$ and the coordinates of the y-intercept are (0, 0).

**Finding the Gradient and y-Intercept**

Find the gradient and the coordinates of the y-intercept for the straight lines given by these equations:

(a) $y=2x+1$ (b) $y=2x+3$

(c) $y=3x+2$ (d) $y=-3x+2$

(e) $y=-3x-2$ (f) $y=-3x-7$

(g) $y=-3x$ (h) $y=5x$

Find the gradient and the coordinates of the y-intercept for the straight lines given by these equations:

(a) $y=x+1$ (b) $y=x-5$

(c) $y=-x+5$ (d) $y=\frac{1}{2}x+2$

(e) $y=-\frac{1}{2}x+5$ (f) $y=\frac{1}{3}x-6$

(g) $y=-\frac{2}{3}x$ (h) $y=-\frac{2}{3}x+\frac{5}{3}$

Find the gradient and the coordinates of the y-intercept for the straight lines given by these equations:

(a) $y=1+2x$ (b) $y=1-2x$

(c) $y=5+2x$ (d) $y=-5+2x$

(e) $y=7-\frac{1}{2}x$ (f) $y=-6+\frac{2}{3}x$

Write down the equations of each straight line, given the following information:

(a) The gradient is 5 and the coordinates of the y-intercept are (0, 7).

(b) The gradient is -1 and the coordinates of the y-intercept are (0, 9).

(c) The gradient is $\frac{3}{4}$ and the coordinates of the y-intercept are (0, 0).