1.
Write the equation of the line through the points (0, 5) and
(3, 11) $M = \frac{6}{3} = 2$

$$y - 5 = 2(x - 0)$$
$$y - 5 = 2x$$
$$\boxed{y = 2x + 5}$$

2.
Write the equation of the line through the points (1, 1) and
(-2, 10) $M = \frac{9}{-2-1} = \frac{9}{-3} = -3$

$$y - 1 = -3(x - 1)$$ $\boxed{y = -3x + 4}$
$$y - 1 = -3x + 3$$

3.
Write the equation of the line through the points (-4, 2) and
(1, -3) $M = \frac{-3-2}{1+4} = \frac{-5}{5} = -1$

$$y - 2 = -1(x + 4)$$ $\boxed{y = -x - 2}$
$$y - 2 = -x - 4$$

4.
Write the equation of the line through the points (2, 9) and
(0, 1)

$$M = \frac{1-9}{0-2} = \frac{-8}{-2} = 4$$

$$y - 1 = 4(x - 0)$$
$$y - 1 = 4x$$ $\boxed{y = 4x + 1}$