31 以下の二次関数のグラフを描き，軸と頂点を答えよ.
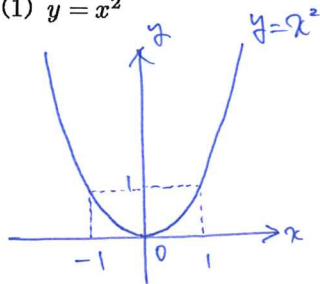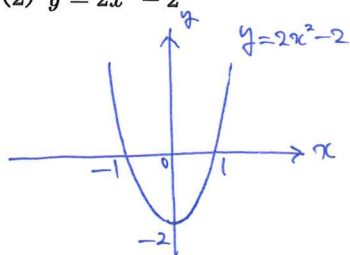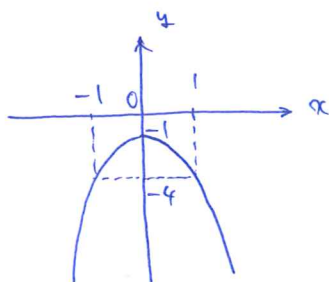
(1) $y = x^2$

軸　$x = 0$
頂点　$(0, 0)$

(2) $y = 2x^2 - 2$

軸　$x = 0$
頂点　$(0, -2)$
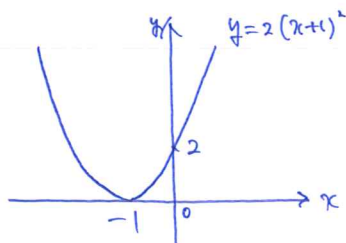
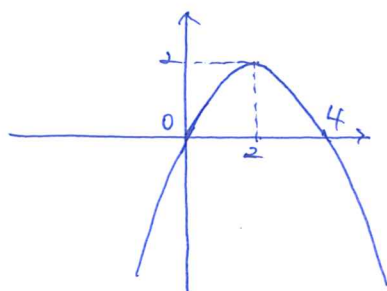(3) $y = -3x^2 - 1$

軸　$x = 0$
頂点　$(0, -1)$

(4) $y = 2(x + 1)^2$

軸　$x = -1$
頂点　$(-1, 0)$

(5) $y = -\dfrac{1}{2}(x - 2)^2 + 2$

軸　$x = 2$
頂点　$(2, 2)$