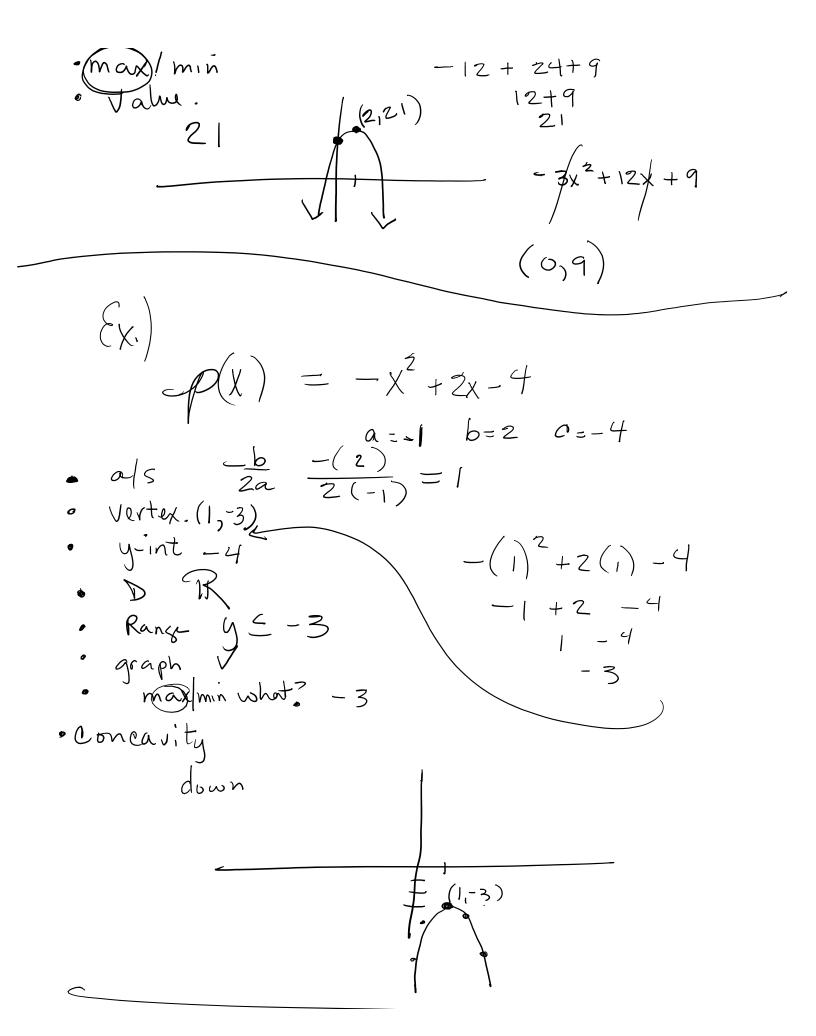
Graphing quadratics Standard Form graphing: Standard form $y = a(x-h)^2 + (K)$ $y = ax^2 + bx + c$ $y = 3(x-z)^{2} + 5$ $(\xi \times .)$ $\sqrt{=-3\chi^2+12\chi+9}$ $v + x \quad (2,5) \quad \int_{3}^{3} a = 3 \quad v$ (4(3) a = - 3 (12/9) V+X 12 2 Twrong $X = \frac{-b}{2a} \frac{-12}{2(-3)}$ -as• A = - 3 $\frac{-12}{-12} = 2$ • $a(5 - \frac{12}{2(-3)} = 2 = X$ Vertex (2, plug) · Vertex (2,21) Same · concavity down • y-int · graph. K - 3x2 + 12x (9) 9-int · Domain TR $-3(z)^{2} + 12(z) + 9$ · Range y ≤ 21



$$E_{x,i} = a/s \quad x=1 \quad g(x) = 2x^2 - 4x + 7$$

$$e_{x,i} = \frac{a/s}{z} = \frac{-(-4)}{z(z)} = 1$$

$$(1,5) \quad z(i)^2 - 4(i) + 7$$

$$z - 4 + 7$$

$$z - 5$$

$$z - 5$$