



60. C

61. H

75. $y = -5x^2 + 2$

Explanation: If the vertex is $(0,2)$, the graph is shifted 0 left/right and 2 up, thus the equation is

$$y = a(x - 0)^2 + 2$$

$$y = ax^2 + 2$$

Then substitute in your given point $(1,-3)$ for (x,y) and solve for a

$$-3 = a(1)^2 + 2$$

$$-5 = a$$

so the equation is $y = -5x^2 + 2$

