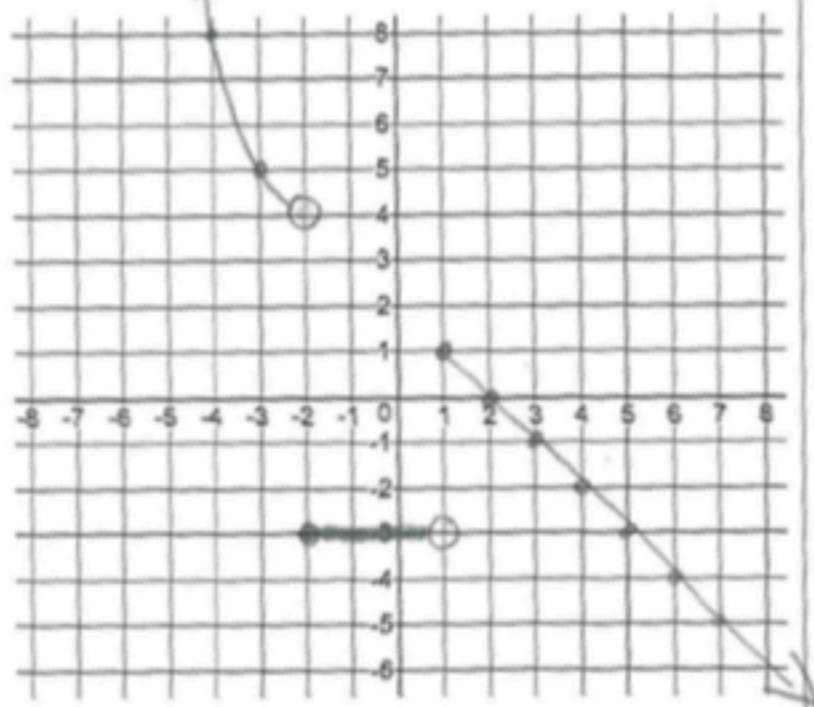


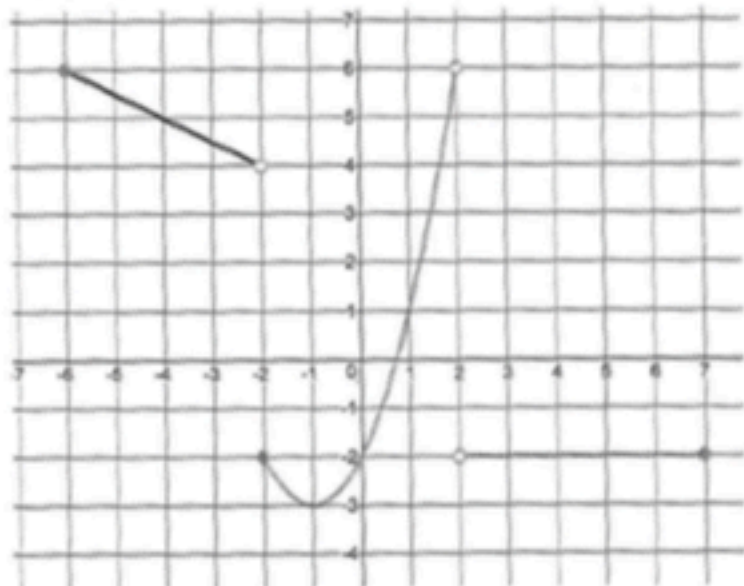
The real glue-in: (wait for me to show you the correct answer)

1) Graph the piecewise function below.

$$g(x) = \begin{cases} (x+2)^2 + 4 & \text{if } x < -2 \\ -3 & \text{if } -2 \leq x < 1 \\ -x+2 & \text{if } x \geq 1 \end{cases}$$



2) Write the equation of the piecewise function  $h(x)$  graphed below.



$$h(x) = \begin{cases} -\frac{1}{2}x + 3, & -6 \leq x < -2 \\ (x+1)^2 - 3, & -2 \leq x < 2 \\ -2, & 2 < x \leq 7 \end{cases}$$