

Name: _____

PCH: Piecewise Functions

Date: _____

Ms. Loughran

Do Now:

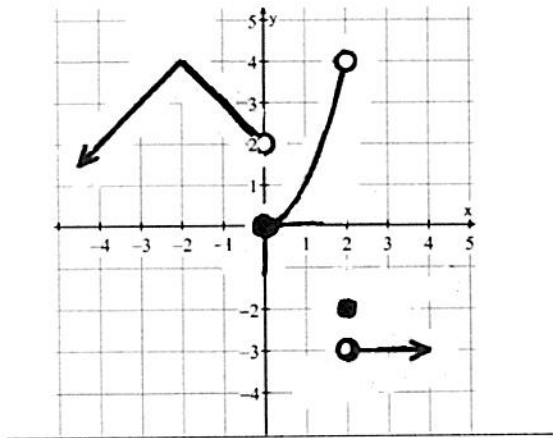
1. Graph each of the following piecewise functions on a separate piece of graph paper.

$$a) f(x) = \begin{cases} |x+3|-1, & \text{if } x < 0 \\ 2x-5, & \text{if } x \geq 0 \end{cases}$$

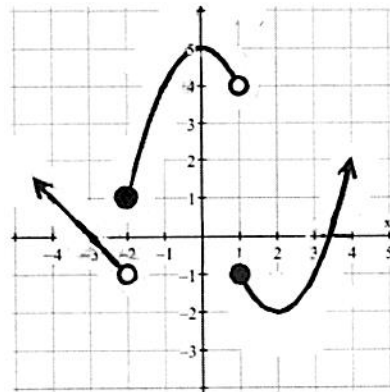
$$b) h(x) = \begin{cases} 3x+10, & x < -3 \\ -x^2+5, & -3 \leq x < 1 \\ 2, & x = 1 \\ |x-3|-3, & x > 1 \end{cases}$$

2. Write the piecewise equation of each of the functions graphed below.

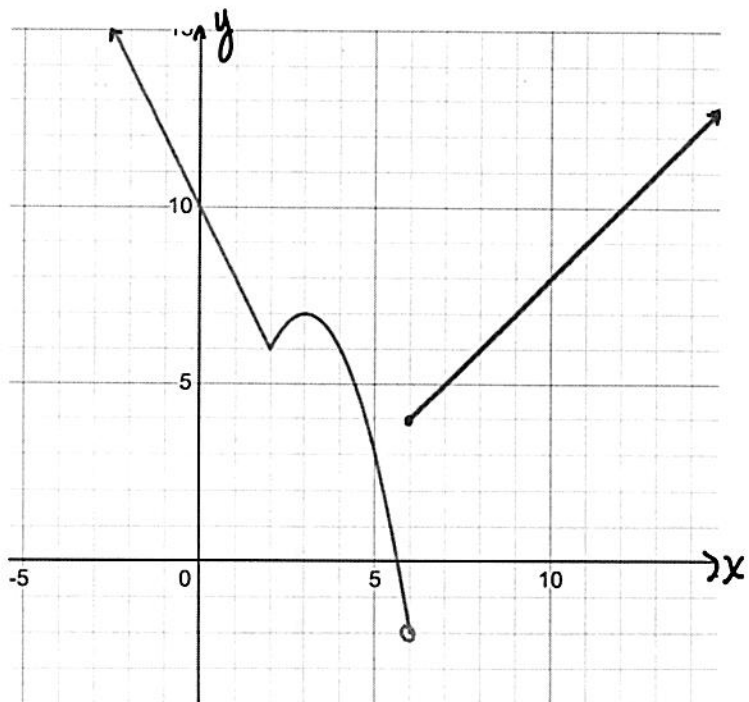
a)



b)



c)



d)

