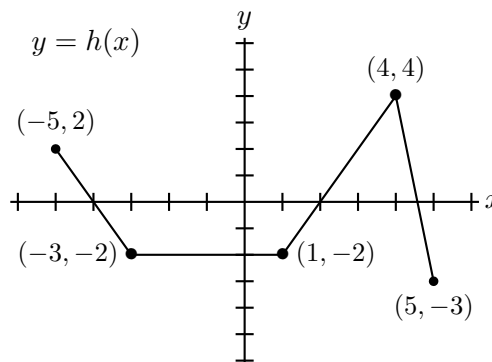


1. [9 points]

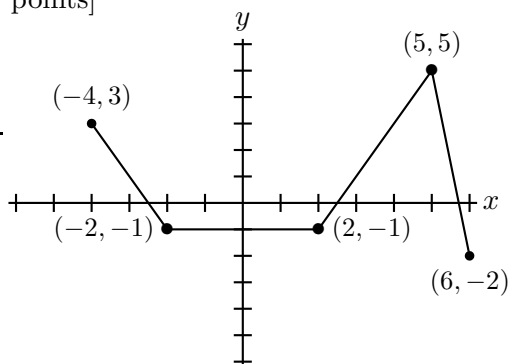
The graph of a function  $h(x)$  is shown on the right. Below are the graphs of several transformations of  $h(x)$ . For each of these graphs, write the letter of the ONE function from the list on the right of the page whose graph is shown. (**Clearly** write the capital letter of your choice on the answer blank provided.)

*No work or explanation is required.*



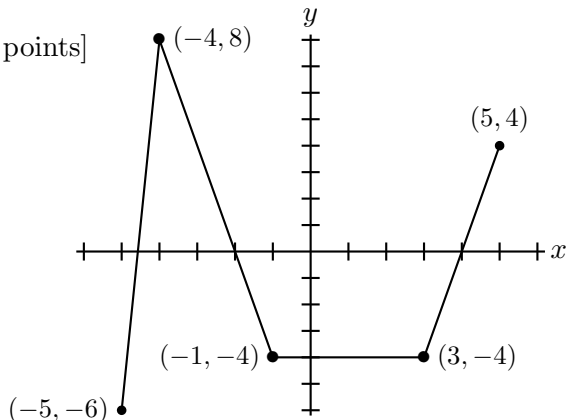
a. [3 points]

Answer: \_\_\_\_\_



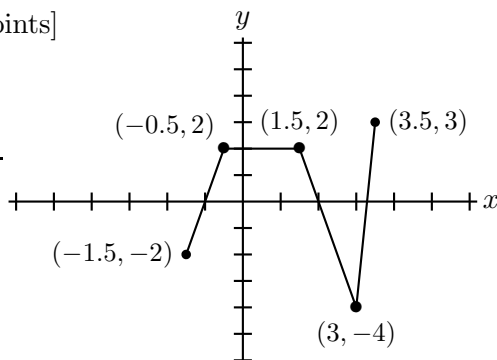
b. [3 points]

Answer: \_\_\_\_\_



c. [3 points]

Answer: \_\_\_\_\_



Answer Choices

- A.  $h(x + 1) + 1$
- B.  $h(x - 1) + 1$
- C.  $h(x + 1) - 1$
- D.  $h(x - 1) - 1$
- E.  $h(-x) + 1$
- F.  $h(-x) - 1$
- G.  $-h(x) + 1$
- H.  $-h(x) - 1$
- I.  $-h(x + 1)$
- J.  $-h(x - 1)$
- K.  $h(-x)$
- L.  $-h(-x)$
- M.  $2h(x)$
- N.  $2h(-x)$
- O.  $-2h(x)$
- P.  $\frac{1}{2}h(x)$
- Q.  $\frac{1}{2}h(-x)$
- R.  $-\frac{1}{2}h(x) - 1$
- S.  $\frac{1}{2}h(x - 1)$
- T.  $h(-2(x - 1))$
- U.  $-h(2x - 1)$
- V.  $-h(2(x - 1))$
- W.  $-h(\frac{1}{2}x - 1)$
- X.  $h(-\frac{1}{2}(x + 1))$
- Y.  $-h(\frac{1}{2}(x - 1))$
- Z. NONE OF THESE