

For each part, give a sequence of transformations which maps $y = f(x)$ onto the given graph.

Where reversing the order of the transformations affects the result, give a second sequence of transformations to describe the mapping.

(a) $y = f(x) \rightarrow y = -f(x) + 2$

(b) $y = f(x) \rightarrow y = f(x + 2) + 7$

(c) $y = f(x) \rightarrow y = f(2x - 8)$

(d) $y = f(x) \rightarrow y = f(4 - x)$

(e) $y = f(x) \rightarrow y = f\left(\frac{1}{4}x + 5\right)$

(f) $y = f(x) \rightarrow y = 3f(2x - 4)$