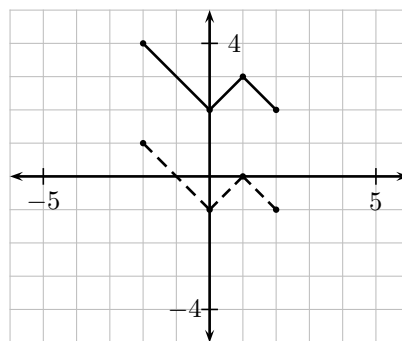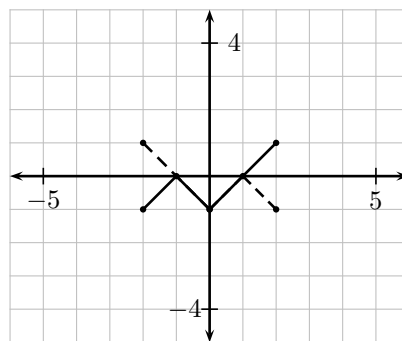1. The dashed graph to the right is that of a function f. The solid graph is the graph of

   A. $y = f(x + 3)$ B. $y = f(x) + 3$
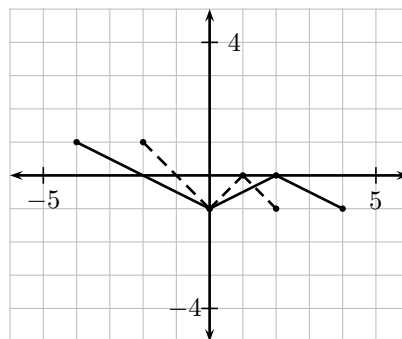
   C. $y = 3f(x)$ D. none of these

2. The dashed graph to the right is that of a function f. The solid graph is the graph of

   A. $y = f(x - 1)$ B. $y = -f(x)$
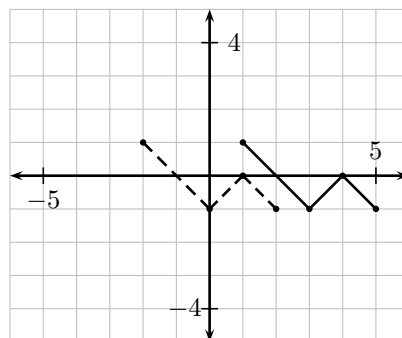
   C. $y = f(-x)$ D. none of these

3. The dashed graph to the right is that of a
function f. The solid graph is the graph
of

   A. $y = f(2x)$ B. $y = 2f(x)$

   C. $y = \frac{1}{2}f(x)$ D. none of these

4. The dashed graph to the right is that of a
function f. The solid graph is the graph
of

   A. $y = f(x + 3)$ B. $y = f(x) + 3$

   C. $y = 3f(x)$ D. none of these

Answers

1. B   2. C

3. D The solid graph shown is the graph of $y = f(\frac{1}{2}x)$.

4. D The solid graph shown is the graph of $y = f(x - 3)$.