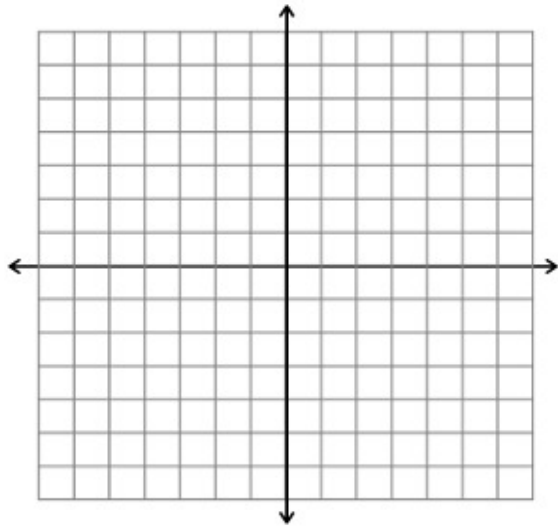
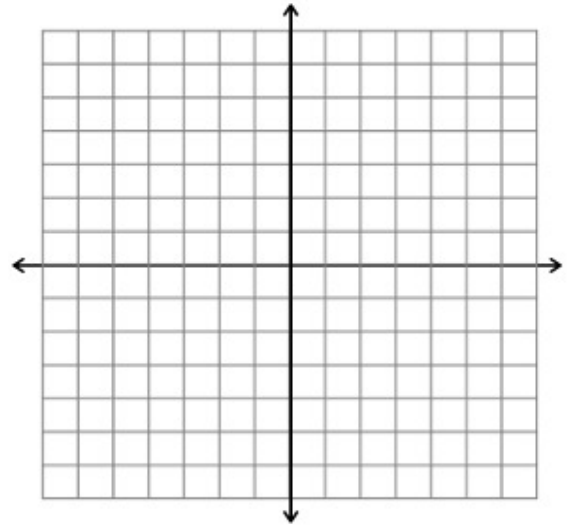


Based on the given equations, for which x is $f(x) > g(x)$? Demonstrate your answer both graphically and algebraically.

$$\left. \begin{aligned} f(x) &= \frac{1}{2}x + 1 \\ g(x) &= -x + 4 \end{aligned} \right\}$$



$$\left. \begin{aligned} f(x) &= x - 6 \\ g(x) &= \frac{1}{2}x - 3 \end{aligned} \right\}$$



$$\left. \begin{aligned} f(x) &= \frac{5}{4}x + 2 \\ g(x) &= 2x + 2 \end{aligned} \right\}$$

