

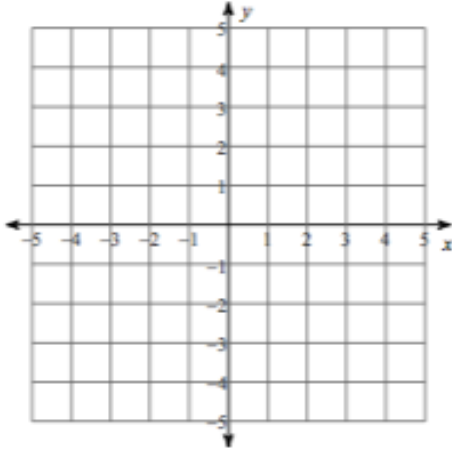
### Solving Systems of Equations by Graphing

Solve each system by graphing. For what values of  $x$  is  $f(x) > g(x)$ ?  
 Be sure your answer is in SET NOTATION.

Example:

$$f(x) = -\frac{5}{3}x + 3$$

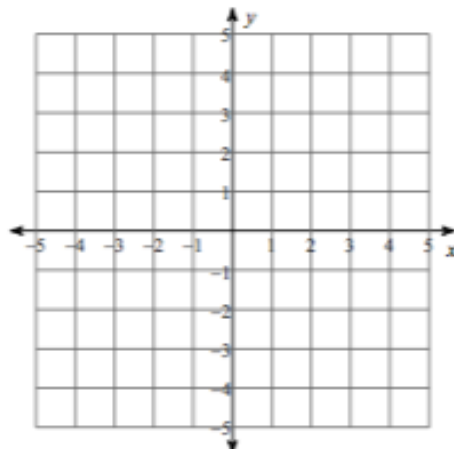
$$g(x) = \frac{1}{3}x - 3$$



1.

$$f(x) = 4x + 3$$

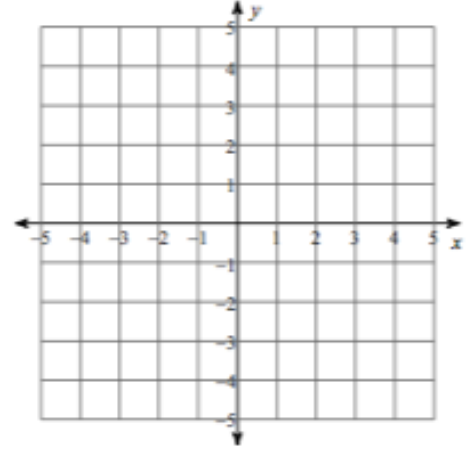
$$g(x) = -x - 2$$



2.

$$f(x) = -\frac{1}{2}x - 1$$

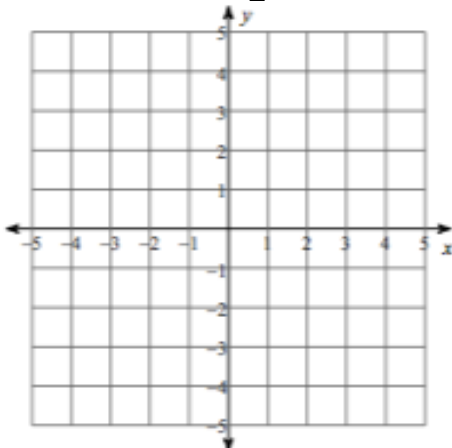
$$g(x) = \frac{1}{4}x - 4$$



3.

$$f(x) = -1$$

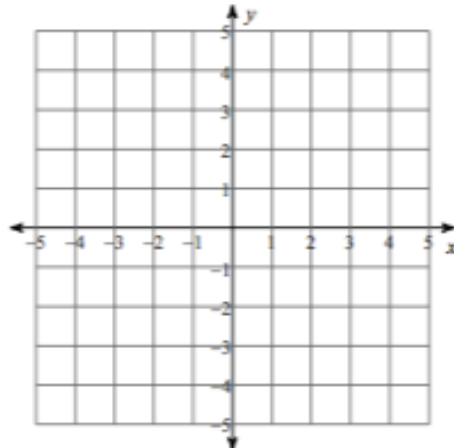
$$g(x) = -\frac{5}{2}x + 4$$



4.

$$f(x) = 3x - 4$$

$$g(x) = -\frac{1}{2}x + 3$$



5.

$$f(x) = -2x + 2$$

$$g(x) = -2x - 2$$

