1. Solve the following linear inequality $4x - 1 > 3$.

A. $x > \frac{1}{2}$

B. $4 < x$

C. $-3 < x$

D. $x > \frac{1}{4}$

E. $\frac{1}{3} < x$

F. $x > 1$

G. $x > -4$

H. $x > -2$

2. Solve the following linear inequality $2(3x - 3) > -5(4x)$.

A. $x < \frac{9}{13}$

B. $x < \frac{6}{13}$

C. $x > \frac{3}{13}$

D. $x < \frac{12}{13}$

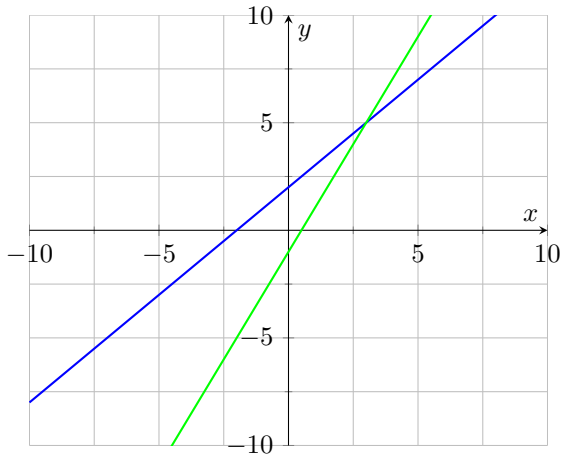
E. $x < -\frac{6}{13}$

F. $x < -\frac{3}{52}$

G. $x < \frac{3}{52}$

H. $x > -\frac{3}{13}$

3. Below is a graph of the system of linear equations $\left\{ \begin{array}{l} y = x + 2 \\ y = 2x - 1 \end{array} \right\}$. Use this graph to solve the linear inequality $x + 2 \geq 2x - 1$.



A. $x \leq 3$

B. $x \geq 1$

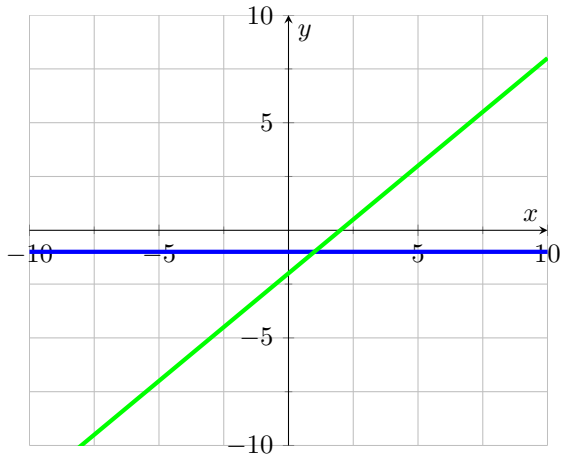
C. $x \leq 4$

D. $x \leq 1$

E. $x \geq 3$

F. $x \geq 4$

4. Below is a graph of the system of linear equations $\left\{ \begin{array}{l} y = -1 \\ y = x - 2 \end{array} \right\}$. Use this graph to solve the linear inequality $-1 < x - 2$.



A. $x < 0$

B. $x < 1$

C. $x > 1$

D. $x > 4$

E. $x < 4$

F. $x > 0$

5. Solve the following linear inequality $-5x + 5 < 4x + 3$.

A. $x > \frac{2}{27}$

B. $-\frac{2}{9} < x$

C. $-\frac{8}{9} < x$

D. $x > \frac{4}{9}$

E. $x > \frac{2}{9}$

F. $\frac{1}{9} < x$

G. $-\frac{1}{9} < x$

H. $-\frac{1}{18} < x$

6. Solve the following linear inequality $2(5x + 3) \leq 0(x - 2)$.

A. $x \leq \frac{9}{5}$

B. $x \geq -\frac{3}{20}$

C. $x \leq -\frac{3}{5}$

D. $x \geq -\frac{6}{5}$

E. $x \geq \frac{6}{5}$

F. $x \geq \frac{1}{5}$

G. $x \geq -\frac{1}{5}$

H. $x \leq \frac{3}{5}$

7. Solve the following linear inequality $-x - 4 \geq -5x + 1$.

A. $\frac{5}{16} \leq x$

B. $x \geq \frac{5}{8}$

C. $-\frac{5}{2} \leq x$

D. $x \geq -\frac{5}{8}$

E. $x \geq \frac{5}{4}$

F. $\frac{15}{4} \leq x$

G. $x \geq -\frac{5}{16}$

H. $x \geq 5$

8. Solve the following linear inequality $-5 > 5x - 4$.

A. $x < -\frac{1}{5}$

B. $x < -\frac{4}{5}$

C. $x < -\frac{3}{5}$

D. $\frac{2}{5} > x$

E. $-\frac{1}{10} > x$

F. $x < -\frac{2}{5}$

G. $\frac{1}{10} > x$

H. $\frac{1}{5} > x$