Graph the feasible region, state whether the region is bounded or unbounded, and find the corner points for the system.

\[2x + y \leq 7\]
\[5x + y \leq 10\]
\[x \geq 0\]
\[y \geq 2\]

Corner points:

- (0, 7) y-intercept of the second inequality
- (1, 5) intersection point of the first and second inequalities
- (1.6, 2) intersection point of the second and third inequalities
- (0, 2) intersection point of the third and fourth inequalities.

The feasible region is bounded.