

Name Solutions

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

$$\begin{aligned} 2x + y &\leq 7 \\ 5x + y &\leq 10 \\ x &\geq 0 \\ y &\geq 2 \end{aligned}$$

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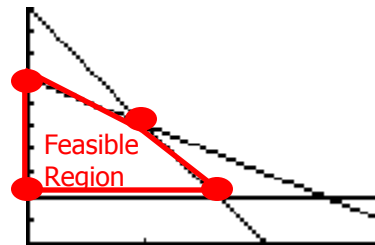
Plot1 Plot2 Plot3
\Y1=-2X+7
\Y2=-5X+10
\Y3=2
\Y4=
\Y5=
\Y6=
\Y7=

```

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WINDOW
Xmin=0
Xmax=3
Xscl=1
Ymin=0
Ymax=10
Yscl=1
Xres=

```



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.