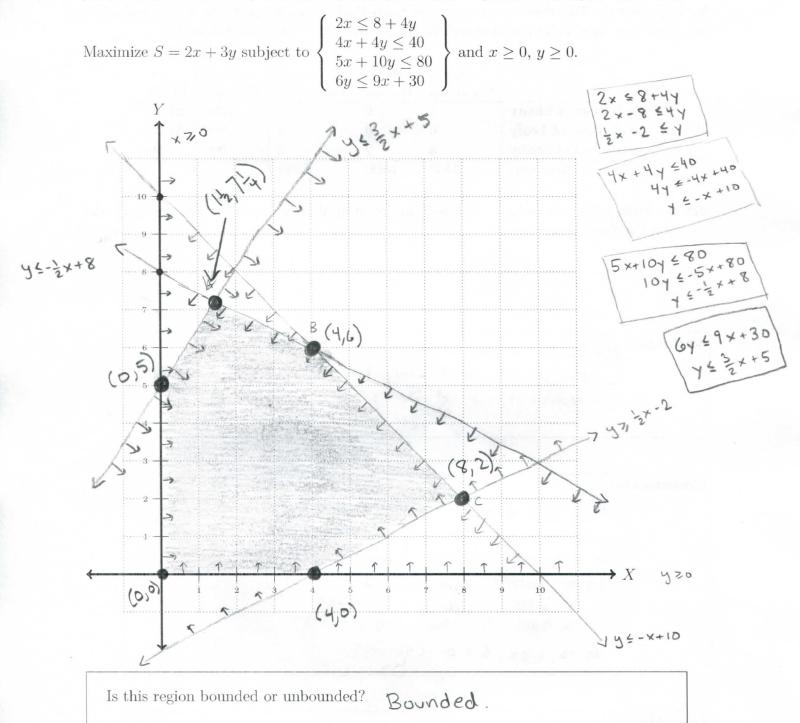
5. Graph the feasible region for the following LPP. You will be graded on three aspects: correctly drawn edges, correctly shaded region, and correctly labelled corners. (The numbers in this problem are not related to either word problem, but you may find the picture on #6 to be a good model of clear edges, corners, and labels).



A $y=\frac{3}{2}\times+5$ $y=-\frac{1}{2}\times+8$ $\frac{3}{2}\times+5=-\frac{1}{2}\times+8$ $2\times=3$ $y=\frac{3}{2}\times+5$ $\times=\sqrt{\frac{1}{2}}$ $y=\frac{3}{2}(\frac{3}{2})+5=\frac{9}{9}+5=7\frac{1}{4}$

B
$$y = -\frac{1}{2} \times +8$$

 $y = -x + 10$
 $-\frac{1}{2} \times +8 = -x + 10$
 $\frac{1}{2} \times = 2$
 $y = -4 + 10 = 6$

$$y = \frac{1}{2}x - 2$$

 $y = -x + 10$
 $\frac{1}{2}x - 2 = -x + 10$
 $\frac{1}{2}x = 12$
 $x = 8$
 $y = -8 + 10 = 2$