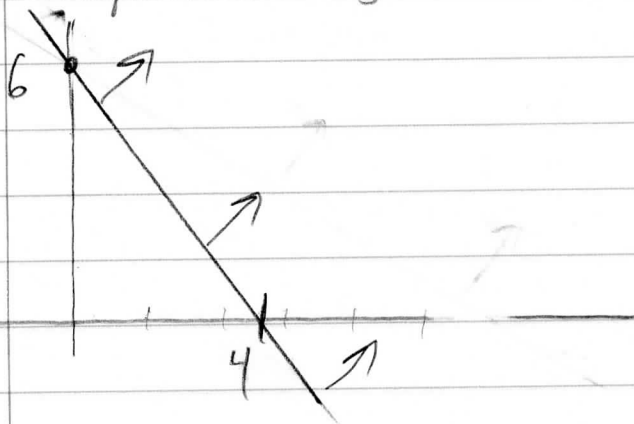


Solutions 5.1

15, 65

15 Graph $6x + 4y \geq 24$



| x | y |
|---|---|
| 0 | 6 |
| 4 | 0 |

Test
(0,0)

$0 \geq 24$ F

65 x - regular mattress
 y - king mattress

$$5x + 6y \leq 50 \left(\frac{60 \text{ min}}{\text{hr}} \right)$$

convert
hours to minutes

so

$$5x + 6y \leq 3000$$