

## Chapter 12 Test

1)

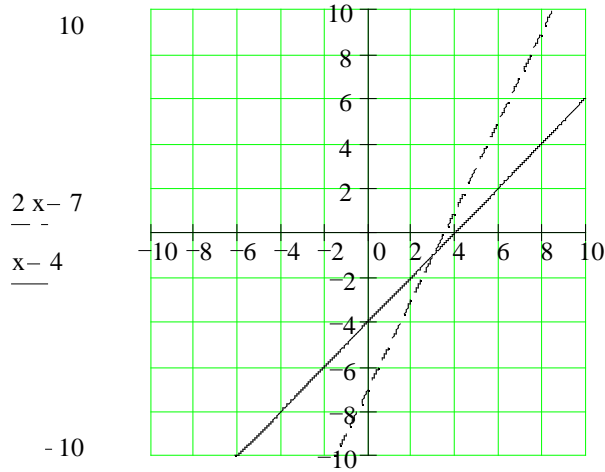


3) The team can only allow the opposing team to score 0 or 1 goal in the 5<sup>th</sup> game.  
 Solution set:  $\{x : x = 0 \text{ or } x = 1\}$

5) Solution set:  $\{x : x > 1.59\}$  (approximately)

7) Solution set:  $(- , -7) \cup (2, )$

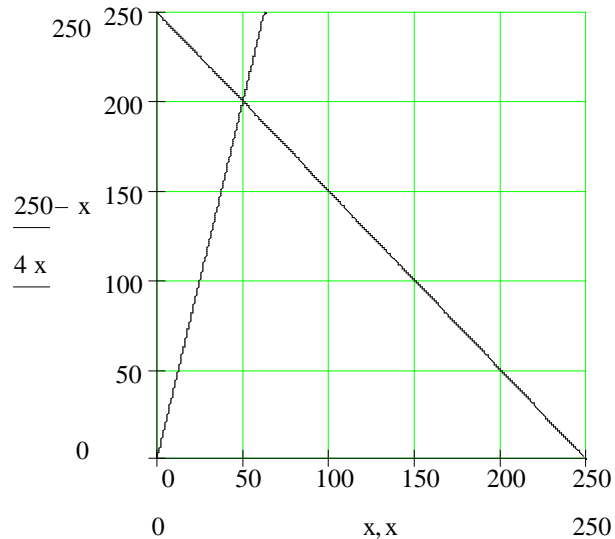
9)



11)

- a)  $x > 0$   
 $y > 0$   
 $x + y < 250$   
 $y \leq 4x$

b)

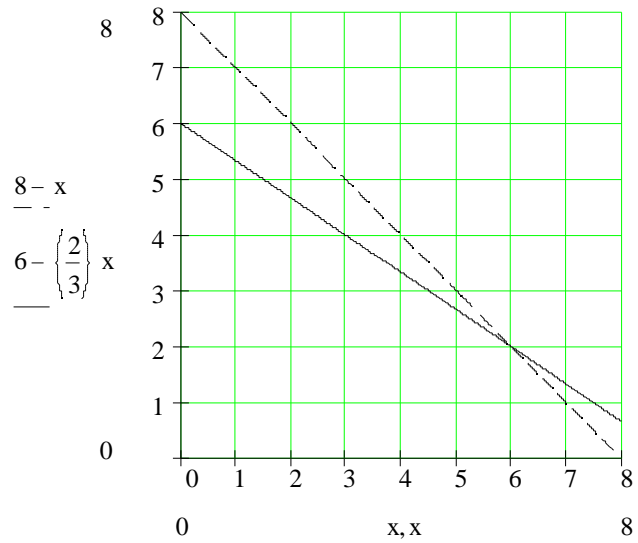


c) The ordered pair (10, 240) is a solution.

13)

a)  $x + y < 8$   
 $40x + 60y \leq 360$

b)



c) Yes