

## Math 2 Systems Test Review

1) parallel

2) intersecting

3) same

4) intersecting

5) solved for

6) mult by -2

7) no

8) (1, -2)

9) (-2, -1)

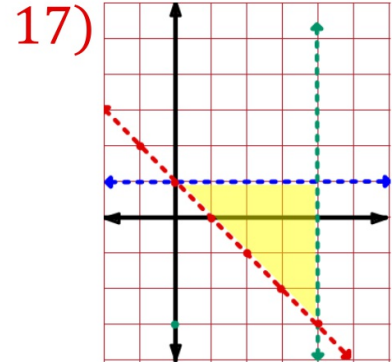
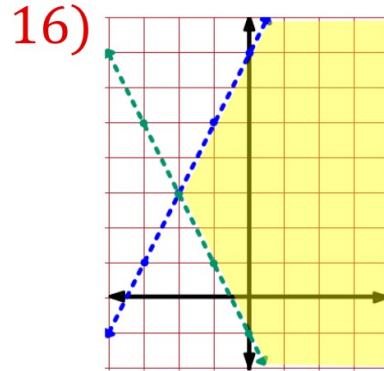
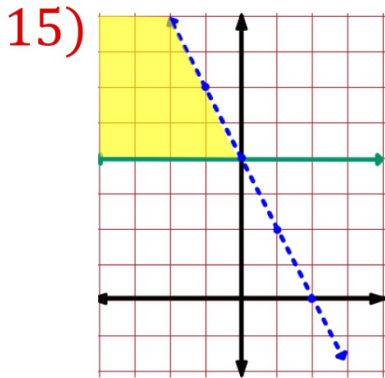
10) (2, -3)

11)  $\emptyset$

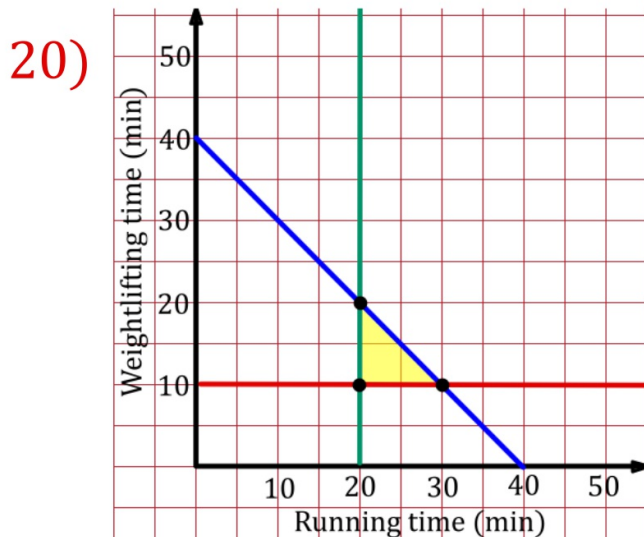
12)  $\infty$

13) (3, -1)

14)  $L = 21$   $S = 7$



19)  $x \geq 20$ ;  $y \geq 10$ ;  $x + y \leq 40$



21) (20, 20)  
 (20, 15)  
 (20, 10)  
 (25, 10)  
 (25, 15)  
 (30, 10)

22) (0, 0) (0, 3) (4, 0) (2, 4)

23) Min: 0 Max: 38

24)  $x + y \leq 10$

$50x + 100y \leq 700$

$x \geq 0$  &  $y \geq 0$

26)  $P = 10x + 18y$

27) Max = \$132

25)  $(0, 0)$   $(0, 7)$   $(10, 0)$   $(6, 4)$

