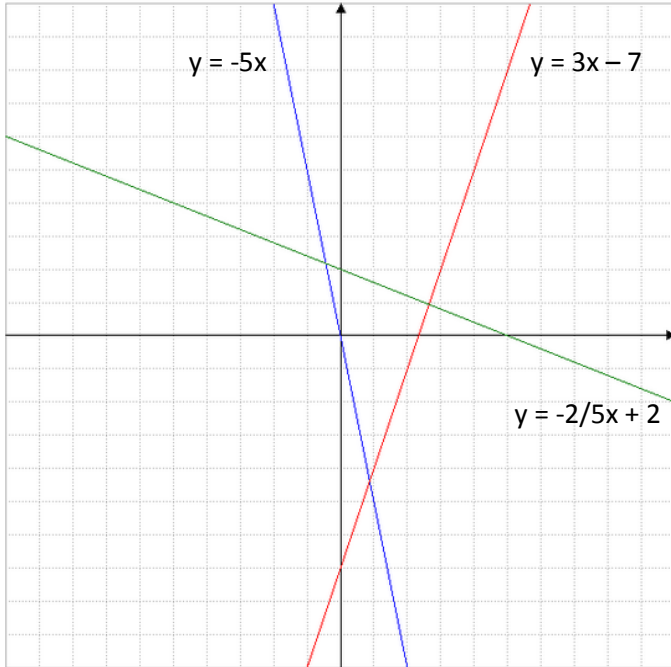


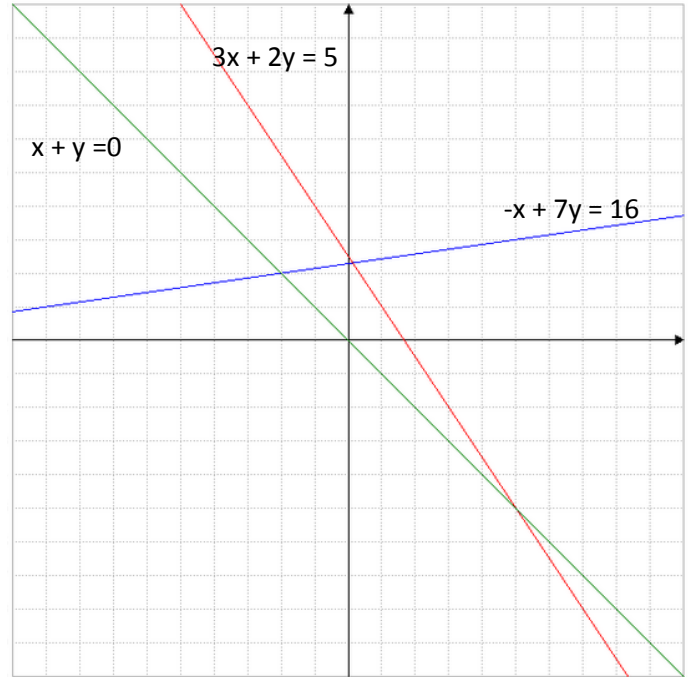
SOLUTIONS WORKSHEET 6

1. a) $m=4$ $n=2$ b) $m=-3$ $n=-1$ c) $m=-1$ $n=6$
 d) $m=7$ $n=0$ e) $m=1$ $n=-5$ f) $m=0$ $n=12$

2.



3.



4. a) $y = -3/2x + 3$ b) $y = 2x + 3$
5. a) $y = -x + 1$ b) $y = -2x + 11$ c) $y = 2x + 4$ d) $y = 3x + 23$
6. a) $y = -2x + 8$ b) $y = -3/7x + 47/7$ c) $y = 8$ d) $y = -9/2x + 9$
7. a) $y = 1/8x - 25/8$ b) $y = -2/5x + 5$ c) $y = 4/3x + 5$ d) $y = -5x + 37$
8. Yes, it is.

9. $c = -1$

10. a) $y = 35000 + 0.10x$
 b) 60000 €

11. a) $y = 5 + 1.5x$
 b) 35 cm

12. a) 16 °C
 b) 8.5 km

13. a) $y = 640x + 1100$
 b) 17100 €

14. a) $y = 12000x + 15000$
 b) 87000 €
 c) 7.08 years

15. a) $y = 25 + 0.05x$
 b) The slope is the charge for each minute and the y-intercept is the flat rate.
 c) 30 €
 d) 600 minutes