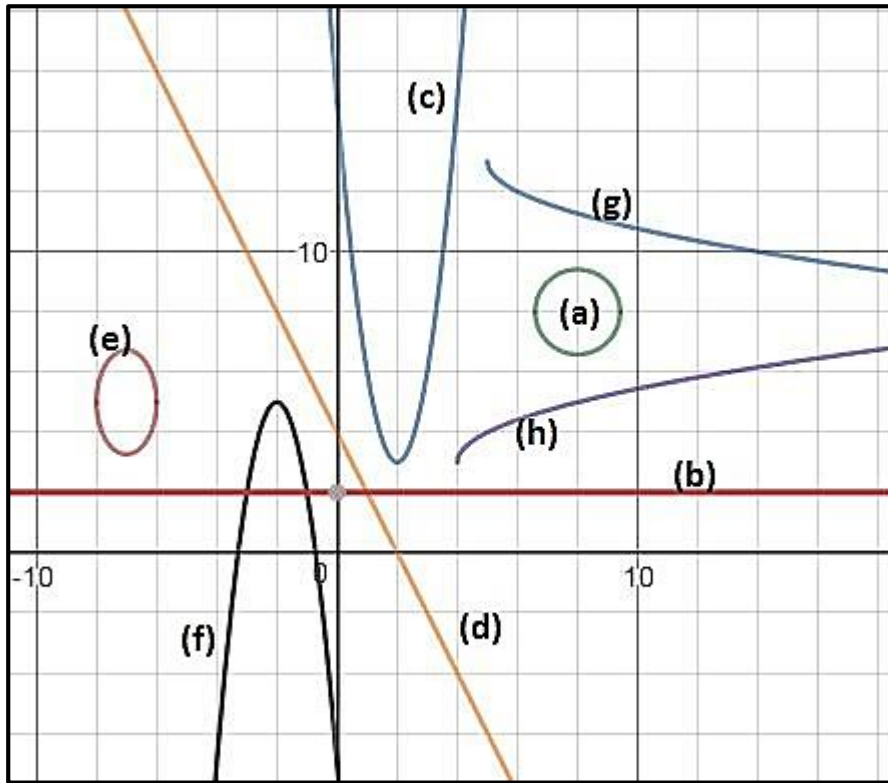
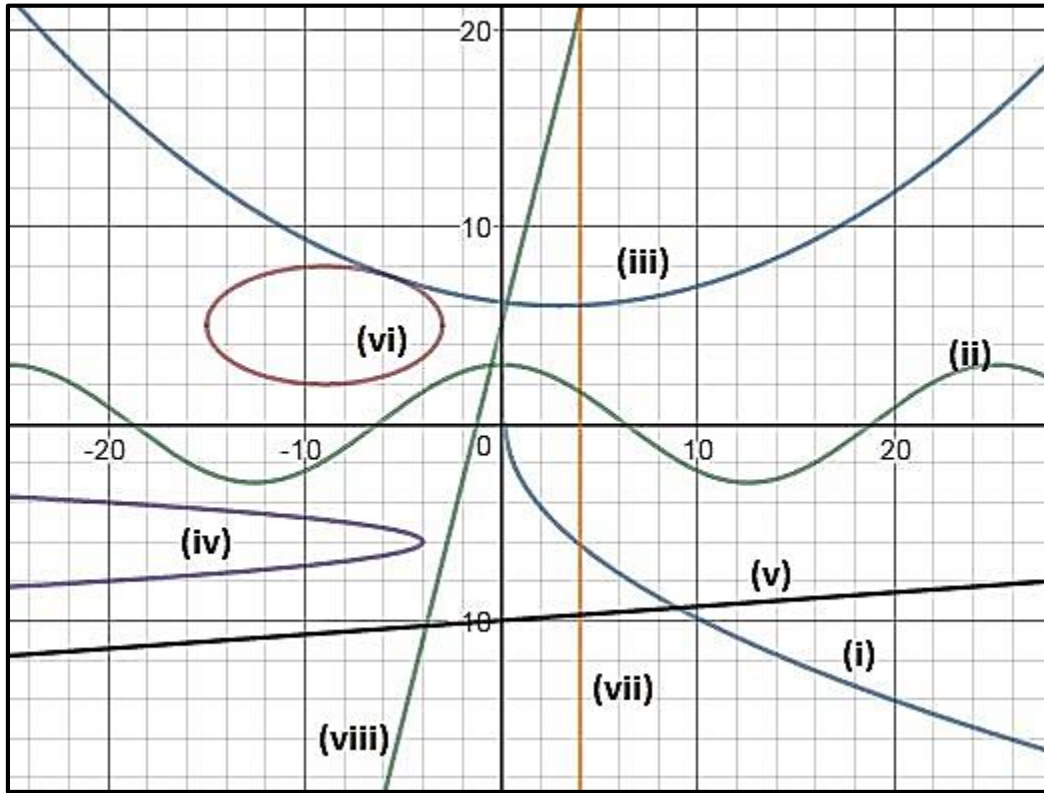


Use the following information to answer questions 1 - 8.  
 Identify the following functions as linear, or nonlinear using the following diagram.



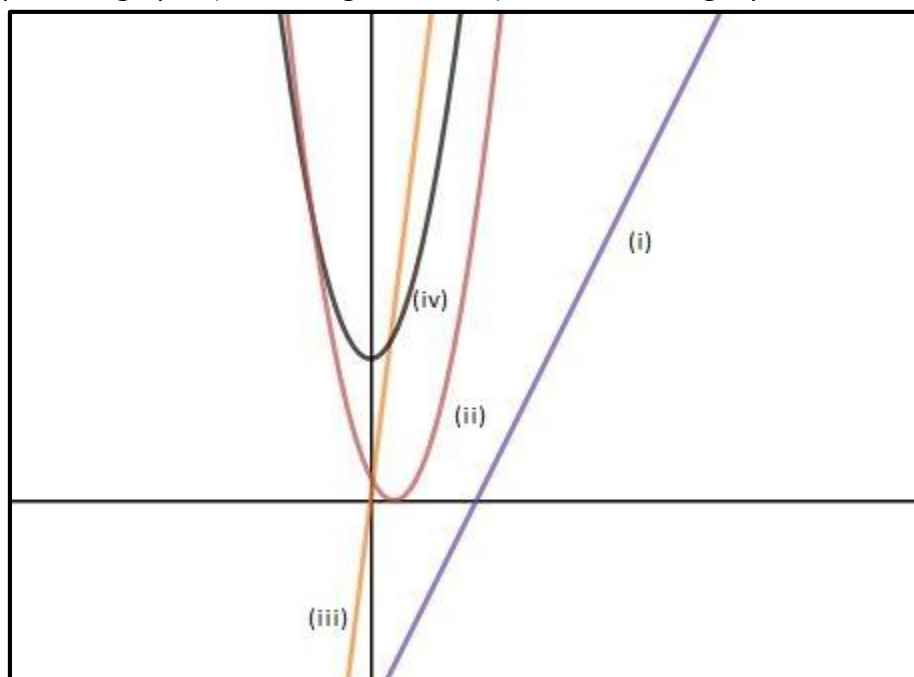
1. (b)
2. (h)
3. (d)
4. (f)
5. (c)
6. (e)
7. (g)
8. (a)

Use the following information to answer questions 9 – 16.  
 Identify, either “linear”, “quadratic” or “none of them”



- 9. (i)
- 10. (ii)
- 11. (iii)
- 12. (viii)
- 13. (v)
- 14. (vi)
- 15. (vii)
- 16. (iv)

Identify the possible graphs (in the diagram below) of the following equations, from 17 – 20.



17.  $2x - y = 6$

18.  $x^2 + 6 = y$

19.  $y = 4x$

20.  $\sqrt{f(x)} + 1 = x$

## Answer Keys

### Day 11:

#### Answers

1. Linear
2. Non-linear
3. Linear
4. Non-linear
5. Non-linear
6. Non-linear
7. Non-linear
8. Non-linear
9. None of them
10. None of them
11. Quadratic
12. None of them
13. Linear
14. None of them
15. None of them
16. Quadratic
17. (i)
18. (iv)
19. (iii)
20. (ii)