

1.1

2- It's a quadratic function, but mirrored, made more narrow by a factor of 2, and shifted vertically by 3.

5- It's a quadratic function.

10- It's a linear function moved up by 4 and made more narrow by a factor of 2

14- It's a linear function mirrored and made more narrow by a factor of 2

22- It's a linear function made more wide by a factor of 1,25

24- It's an absolute value function made more narrow by a factor of 2

28- It's an absolute value function made more narrow by 1,25 and shifted up by 1

32- It's an absolute value function made flipped, shifted down by 0,5 and made it wider by a factor of 2

44- It's an absolute value function, where x intercept represents 0% charge

1.2

4- $g(x) = 2|x| - 3$

10- $g(x) = 2x - 3$

12- $g(x) = |-2x - 1| + 3$

16- $g(x) = 4x + 6$

18- $g(x) = |x/4 + 3|$

28- $g(x) = x/3 - 3$

30- $g(x) = -x + 3$