A Straight-Line Landmark

Draw a set of axes with x from 0 to 16 and y from 0 to 25.

Now draw the following straight lines between the given values of x:

a) $y = 2x - 2$ between $x = 1$ and $x = 5$

b) $y = 4x - 12$ between $x = 5$ and $x = 6$

c) $y = 11x - 54$ between $x = 6$ and $x = 7$

d) $y = 2x + 9$ between $x = 7$ and $x = 8$

e) $y = -2x + 41$ between $x = 8$ and $x = 9$

f) $y = -11x + 122$ between $x = 9$ and $x = 10$

g) $y = -4x + 52$ between $x = 10$ and $x = 11$

h) $y = -2x + 30$ between $x = 11$ and $x = 15$

i) $y = 23$ between $x = 7$ and $x = 9$

j) $y = 12$ between $x = 6$ and $x = 10$

k) $y = 10$ between $x = 7.5$ and $x = 8.5$

l) $y = 8$ between $x = 5$ and $x = 11$

m) $y = 4x - 20$ between $x = 7$ and $x = 7.5$

n) $y = -4x + 44$ between $x = 8.5$ and $x = 9$

o) $y = 4$ between $x = 6$ and $x = 10$

p) $y = 2x - 8$ between $x = 4$ and $x = 6$

q) $y = -2x + 24$ between $x = 10$ and $x = 12$