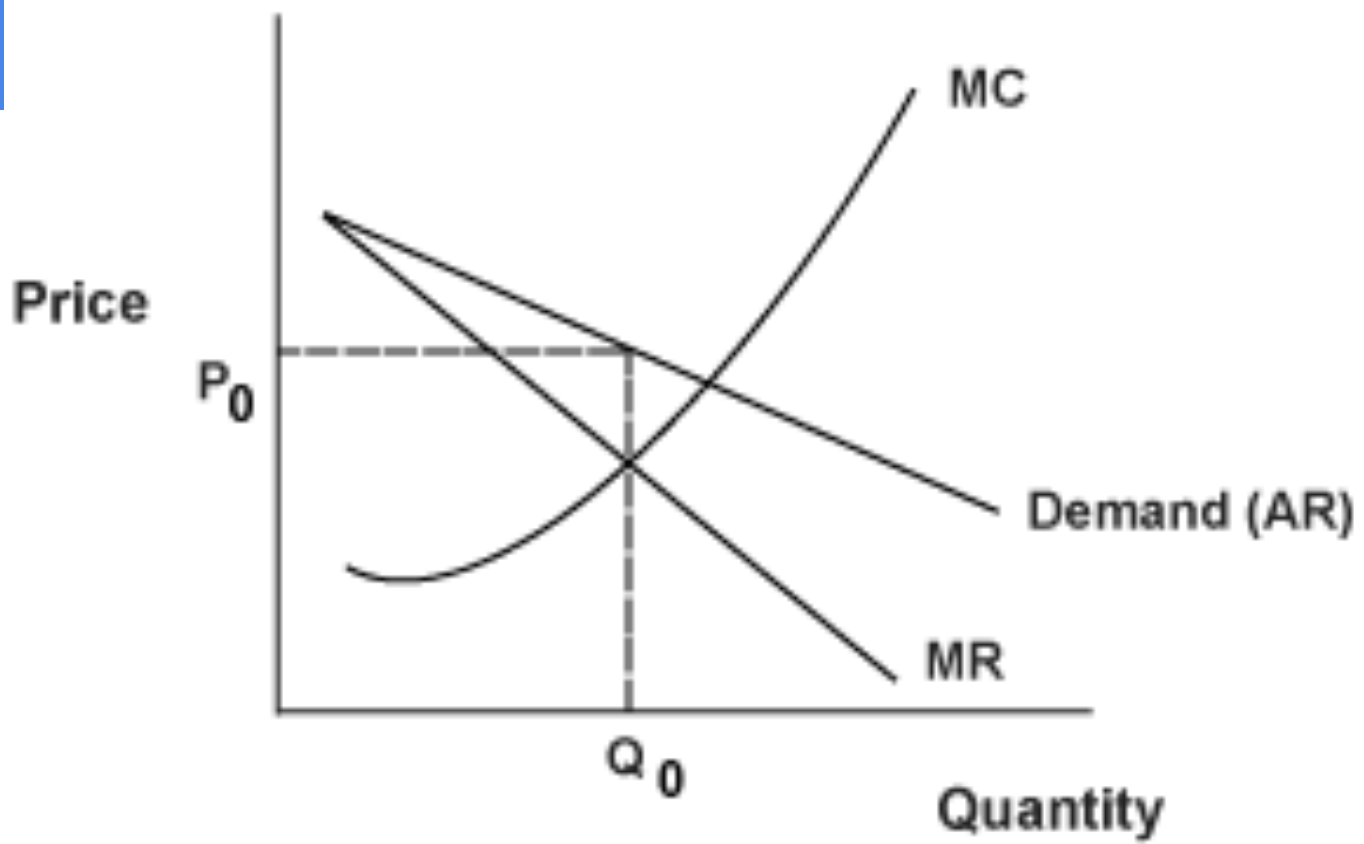
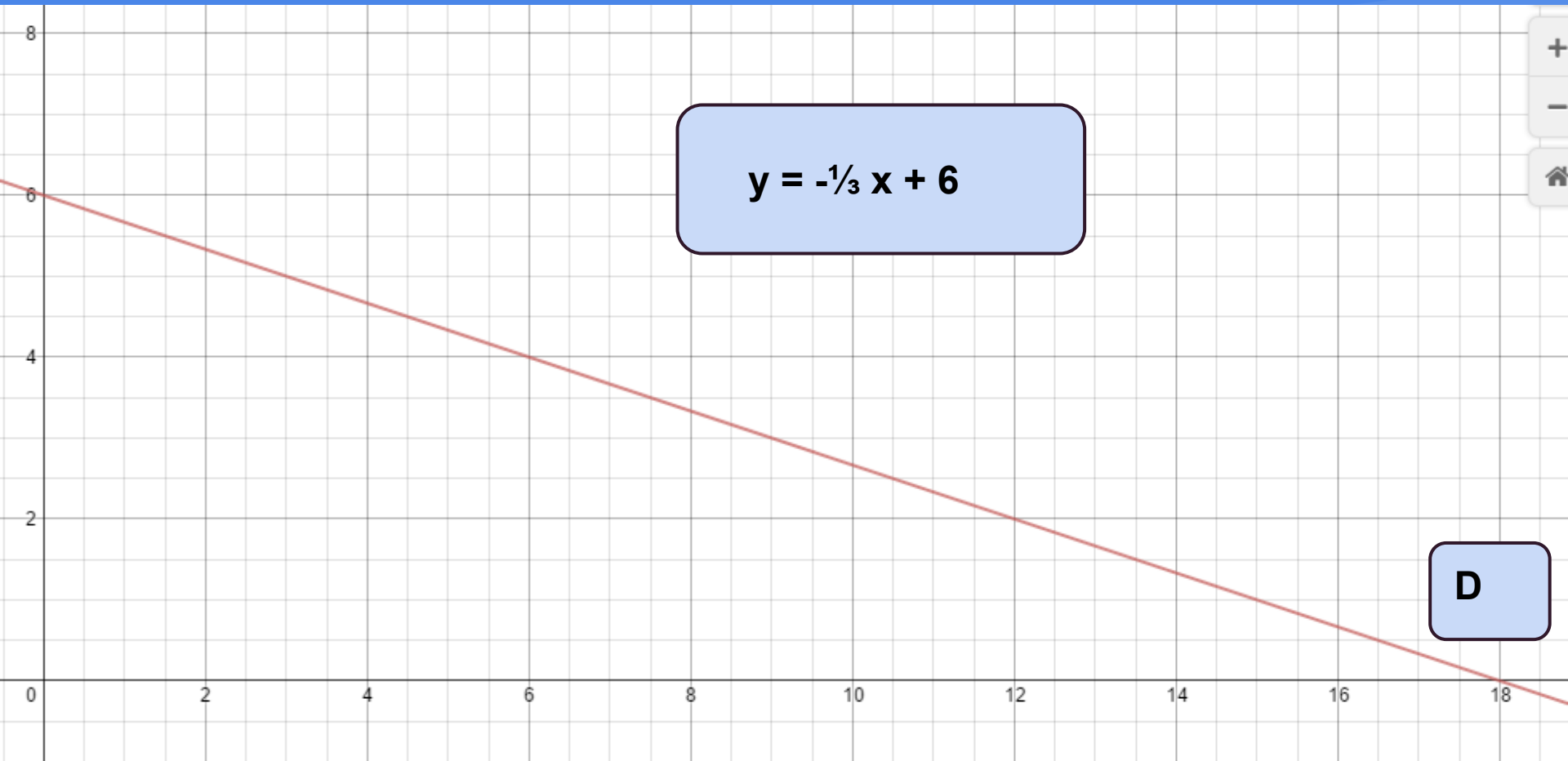


# Calculus In Economics

*Analysis of a Monopolist's Demand Curve*

Monopolist: a firm that is the only producer of a good that has no close substitutes





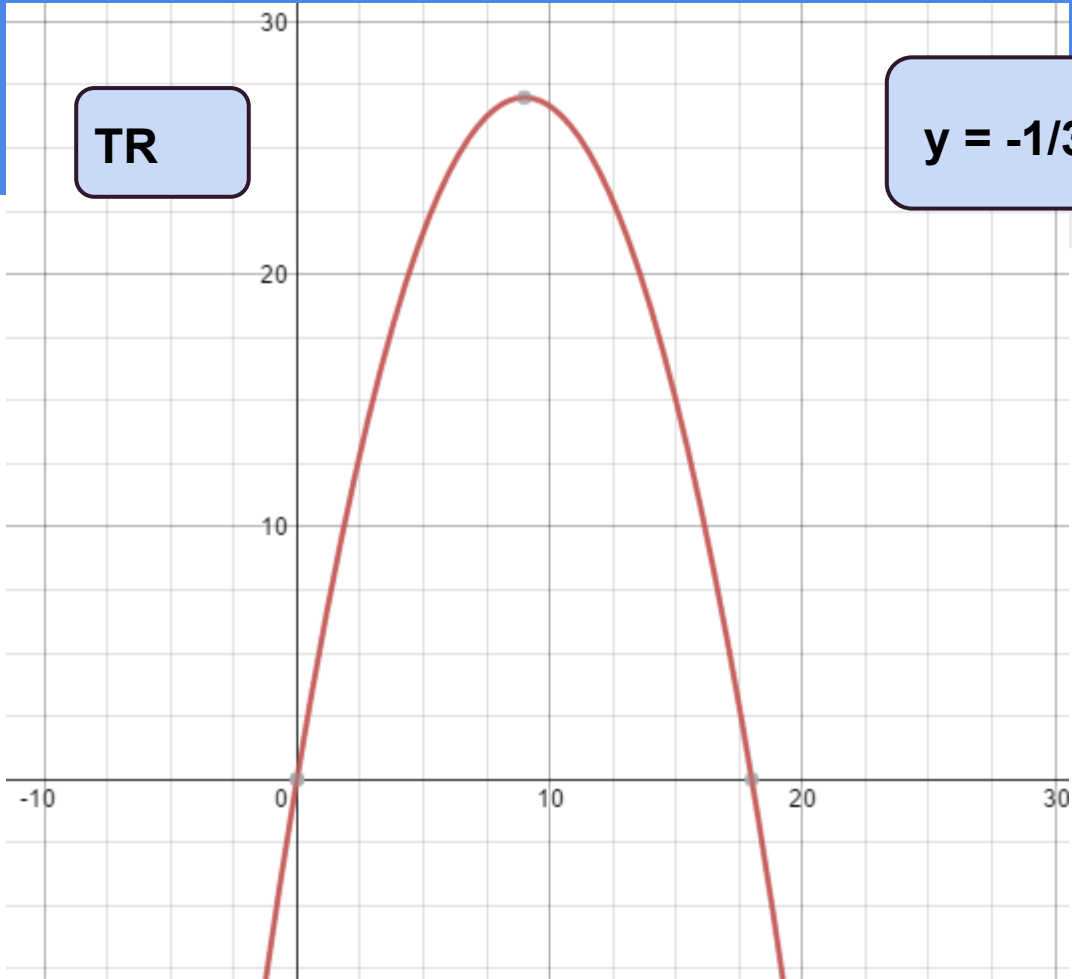
$$y = -\frac{1}{3}x + 6$$

**D**

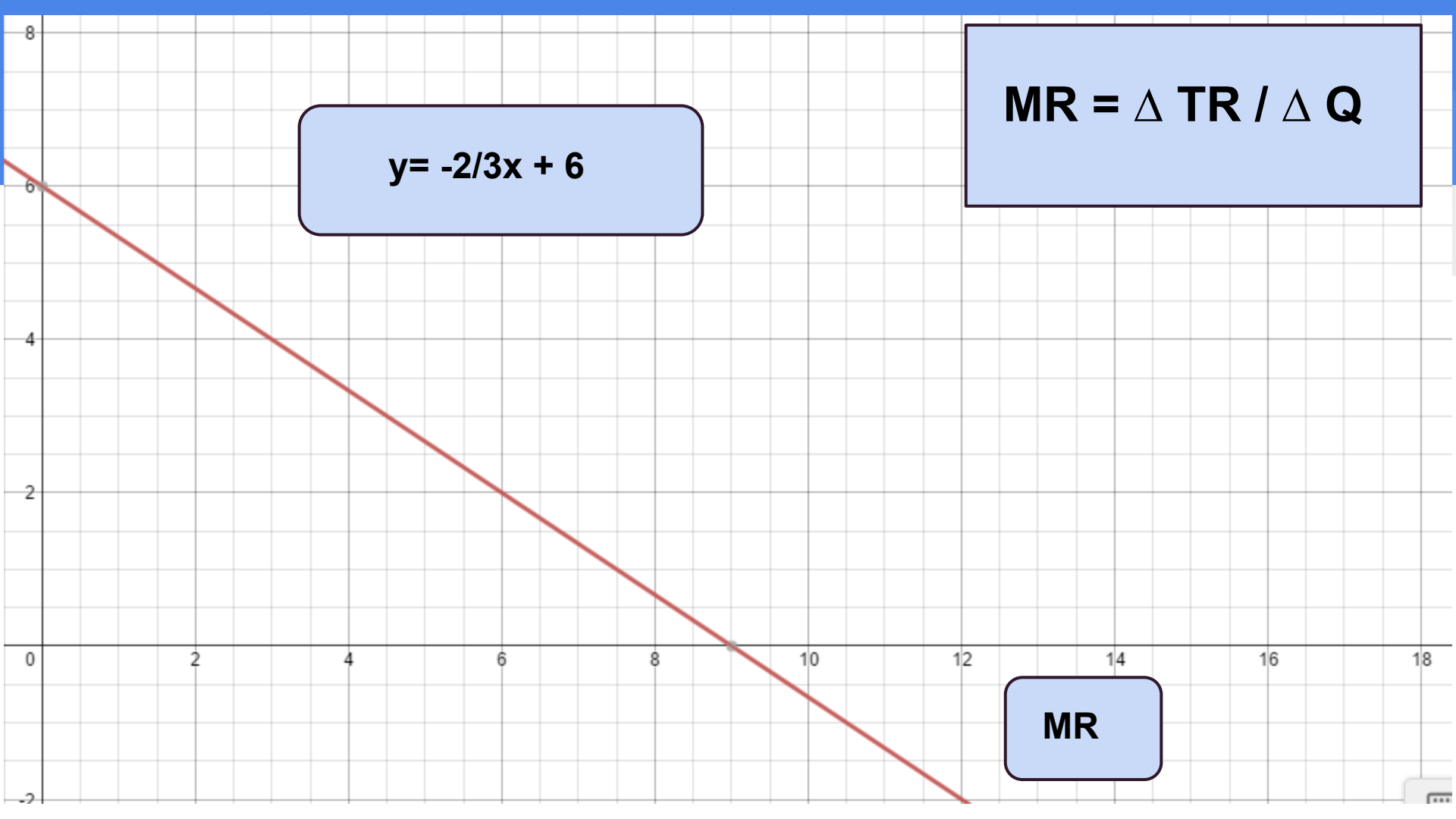
<u>X</u>	<u>Y</u>
0	6
3	5
6	4
9	3
12	2
15	1
18	0



TR



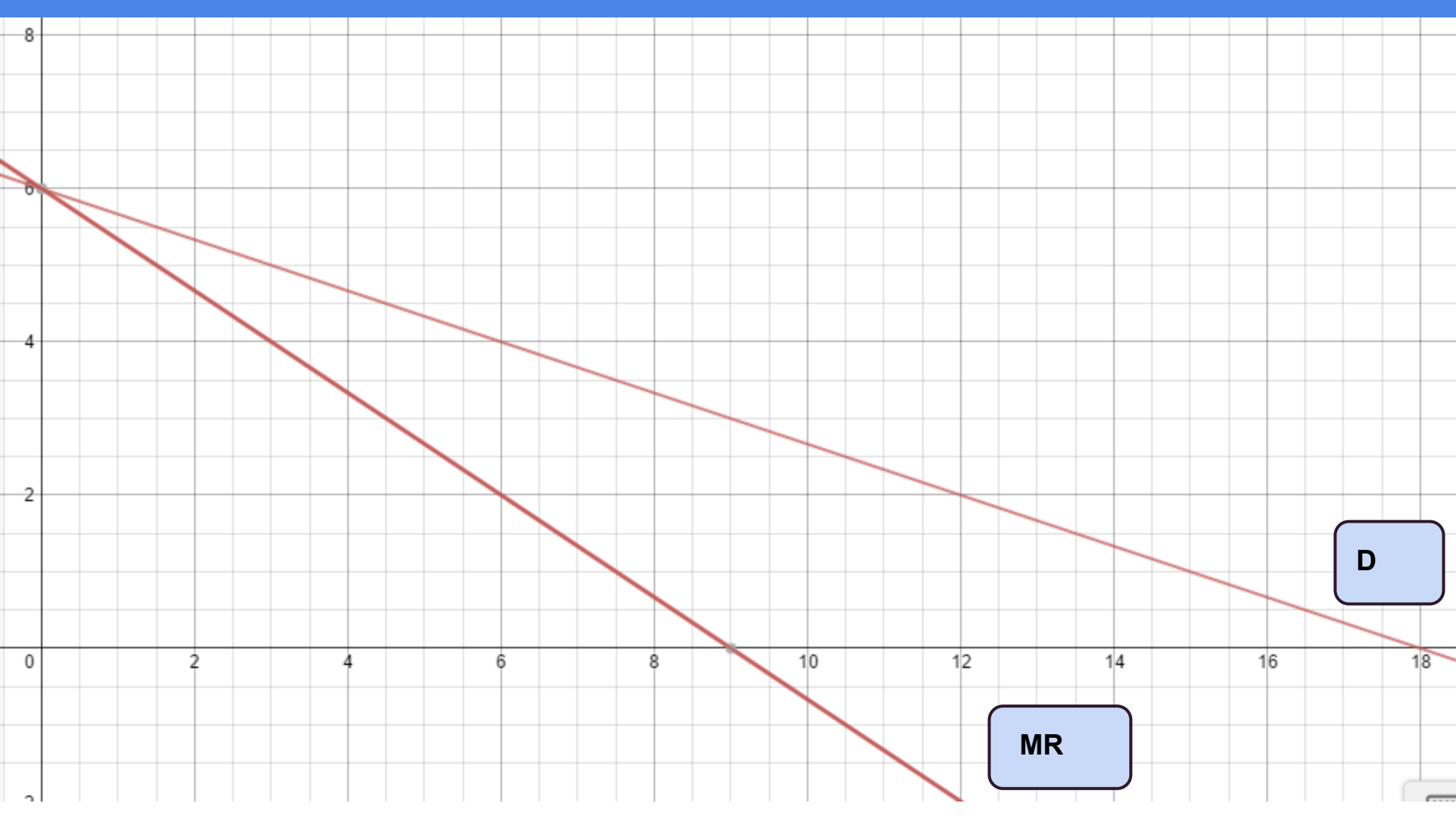
$$y = -\frac{1}{3}x^2 + 6x$$



$$y = -\frac{2}{3}x + 6$$

$$MR = \frac{\Delta TR}{\Delta Q}$$

MR





**Figure 10-1 The Demand and Marginal Revenue Curves for a Monopoly Firm**

