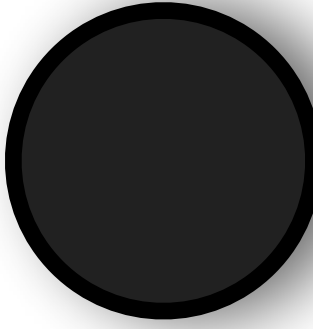
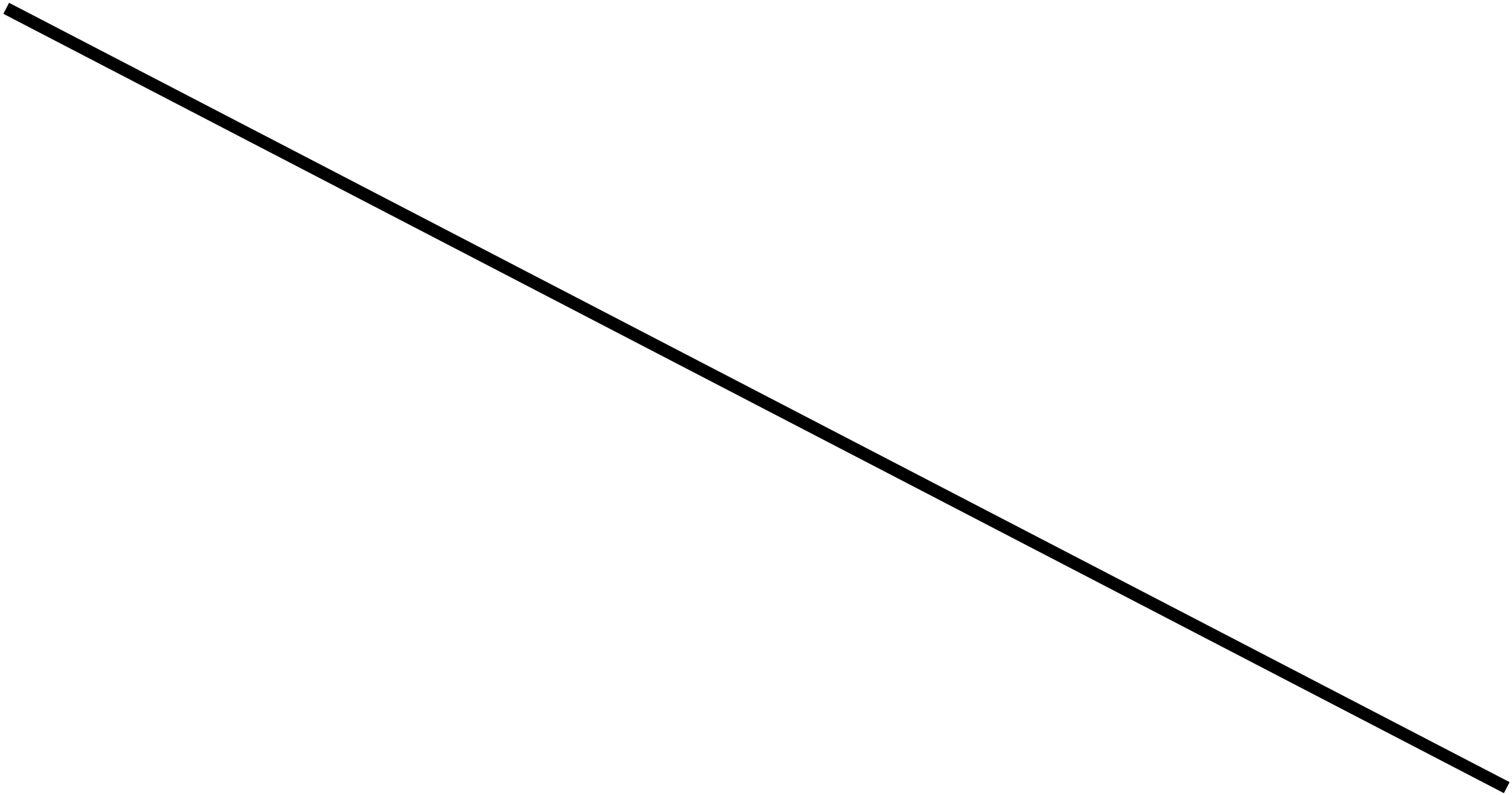
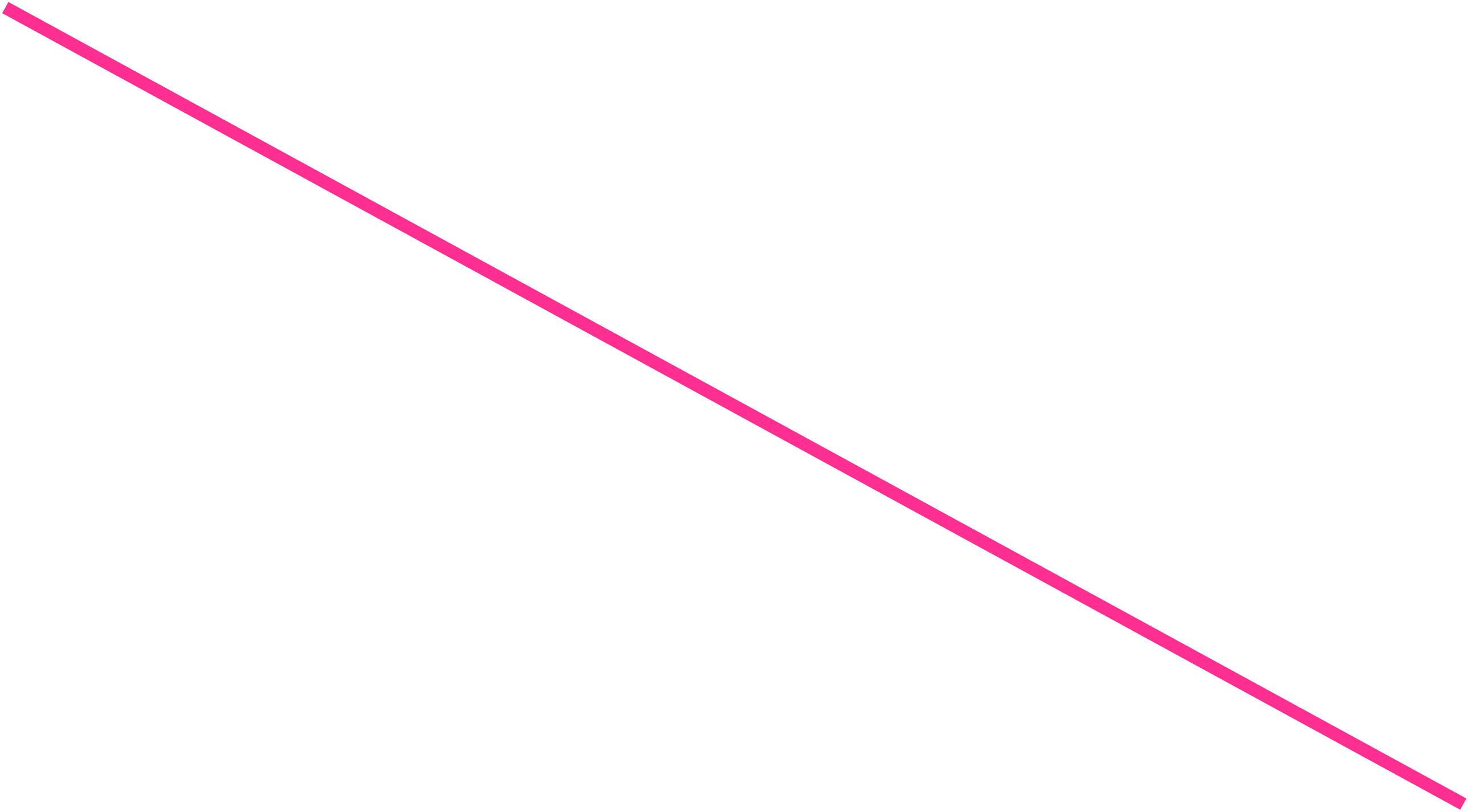
Price

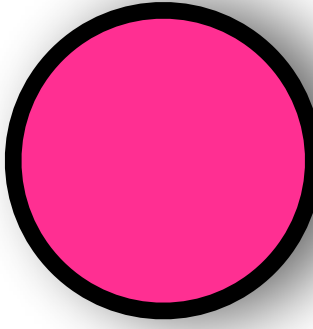
Consumers buy 10 units more at all prices

$$P = 10$$

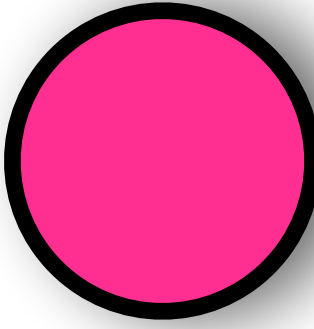








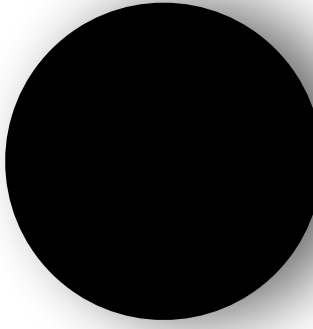
$$P = 15$$



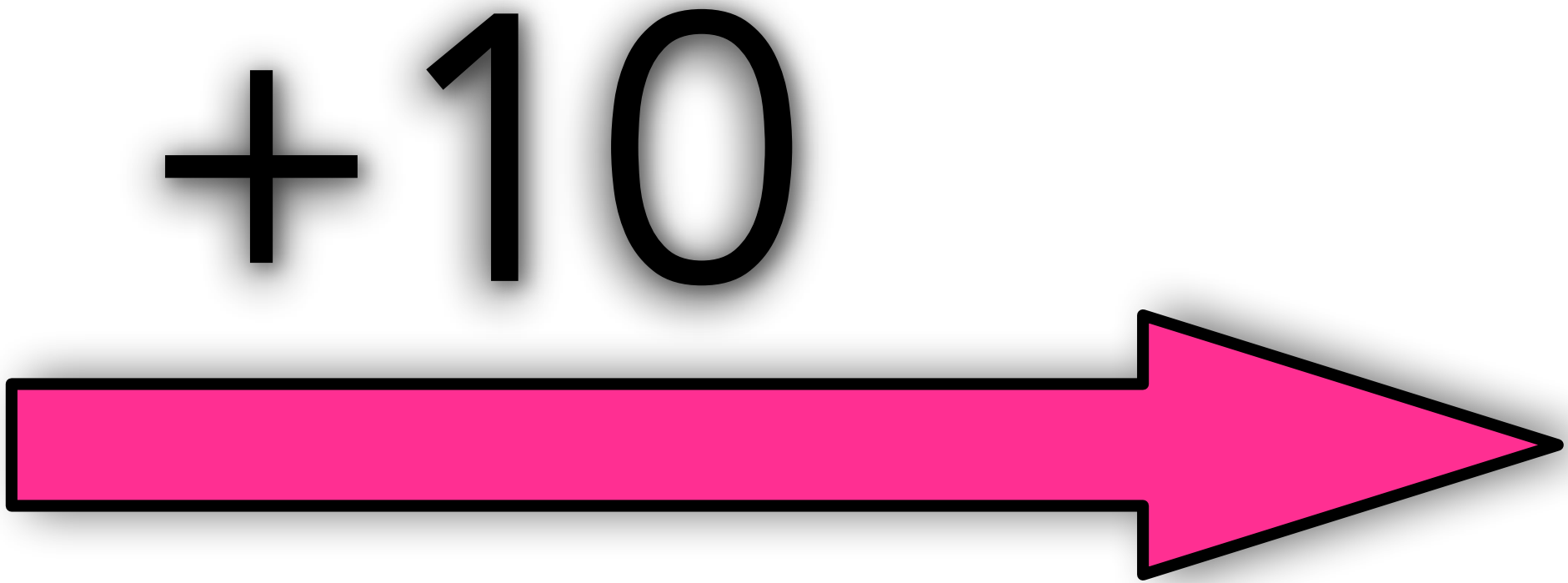
$$Q^d = 30$$

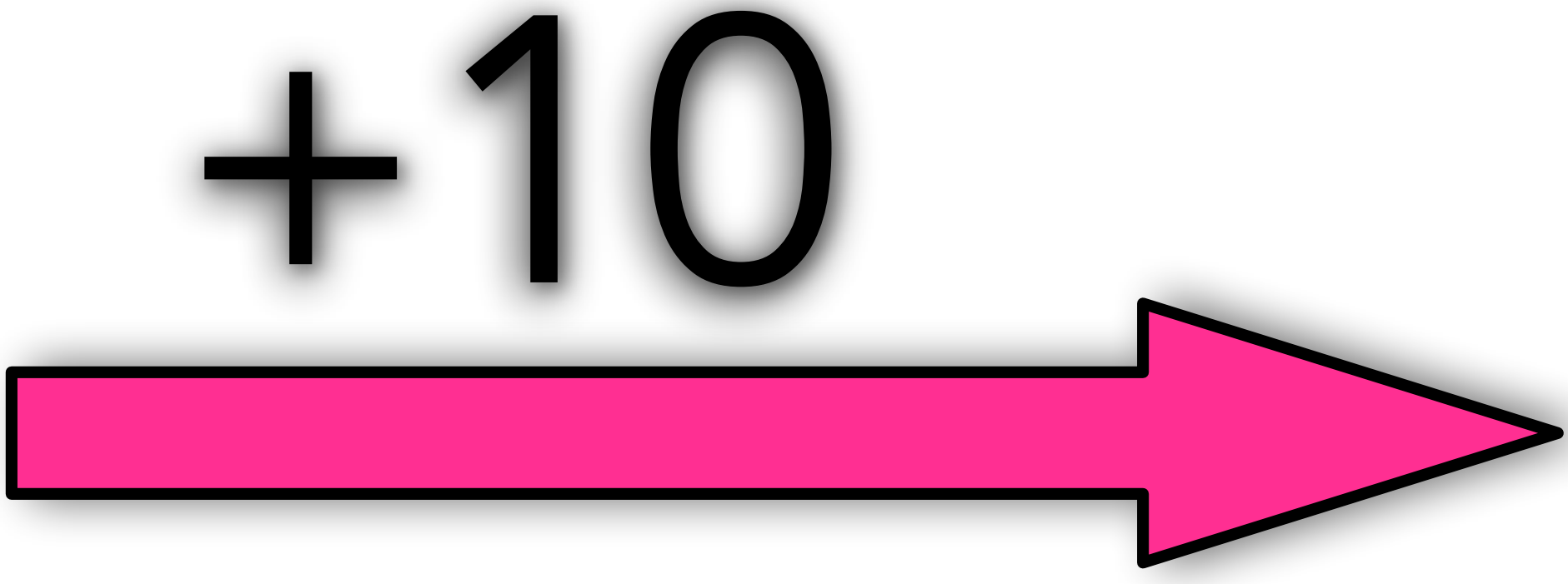
$$Q^d = 20 - 2P$$

$$Q^d = 20$$

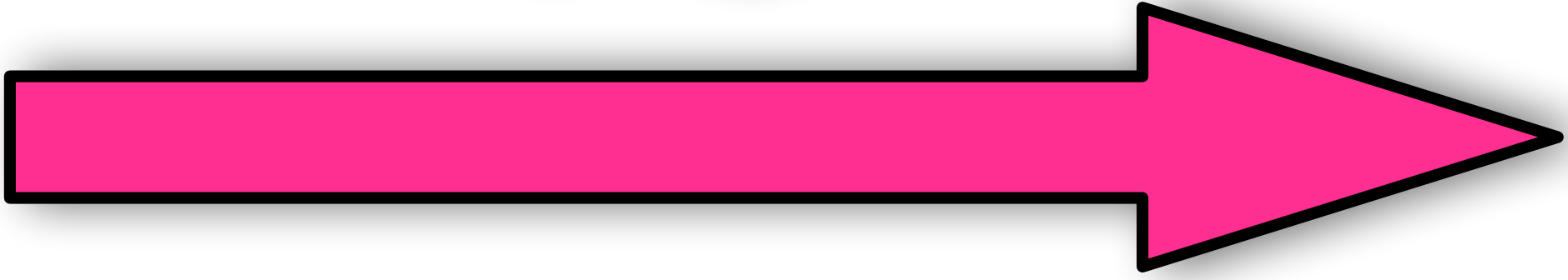


$$\text{New } Q^d = (20 - 2P) + 10$$


+10

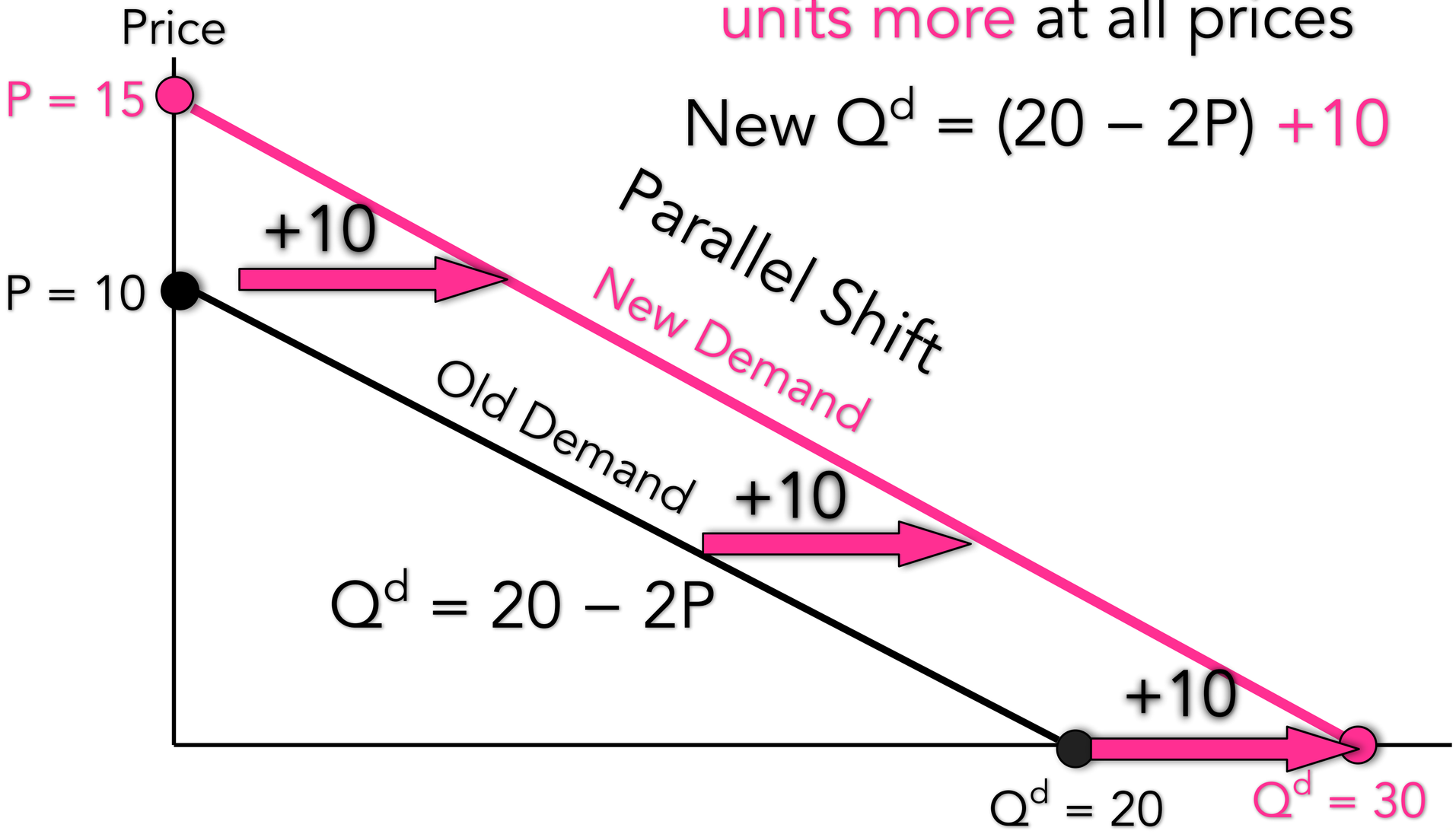

+10

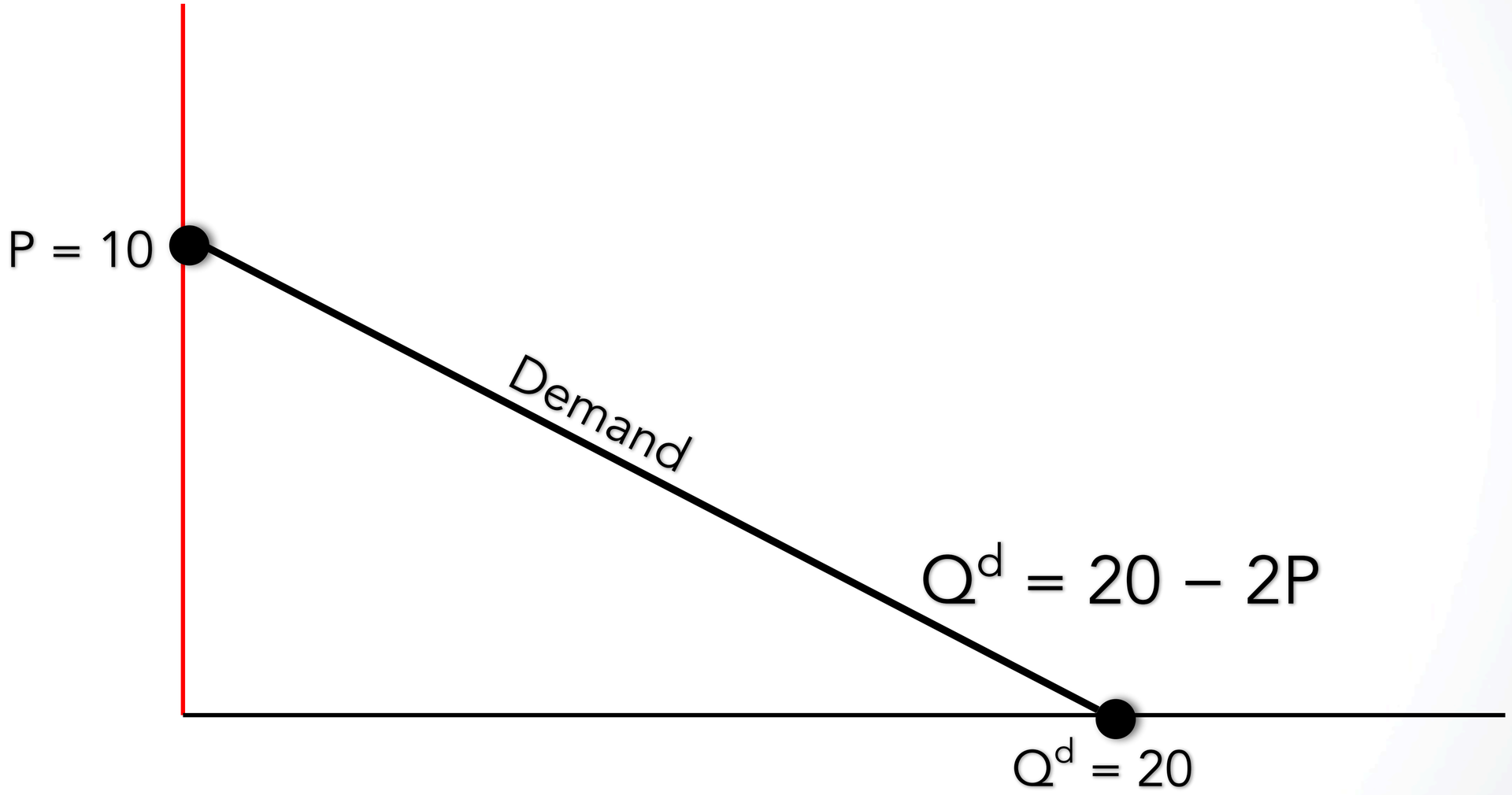
+10



Consumers buy 10 units more at all prices

New $Q^d = (20 - 2P) + 10$




P = 10
Demand
$Q^d = 20 - 2P$
$Q^d = 20$