



$$Q^d \equiv 20 - 2P_e$$

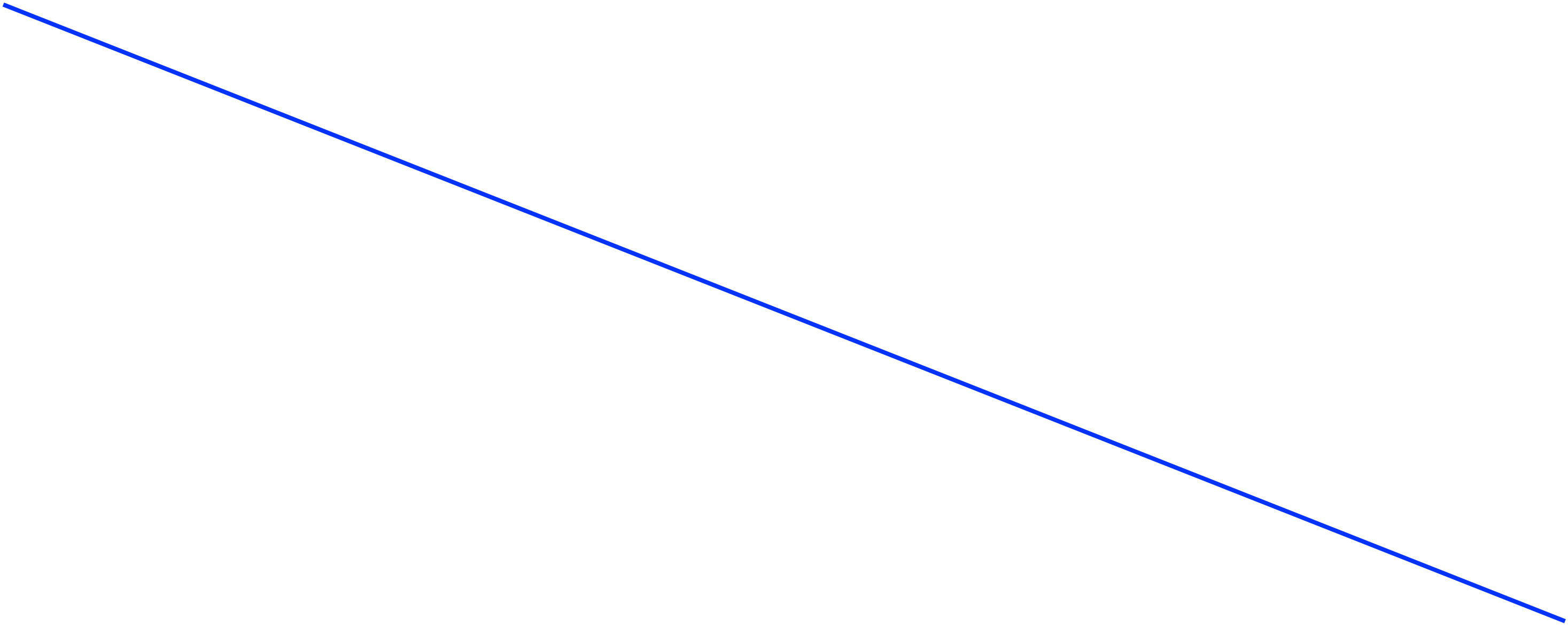




10

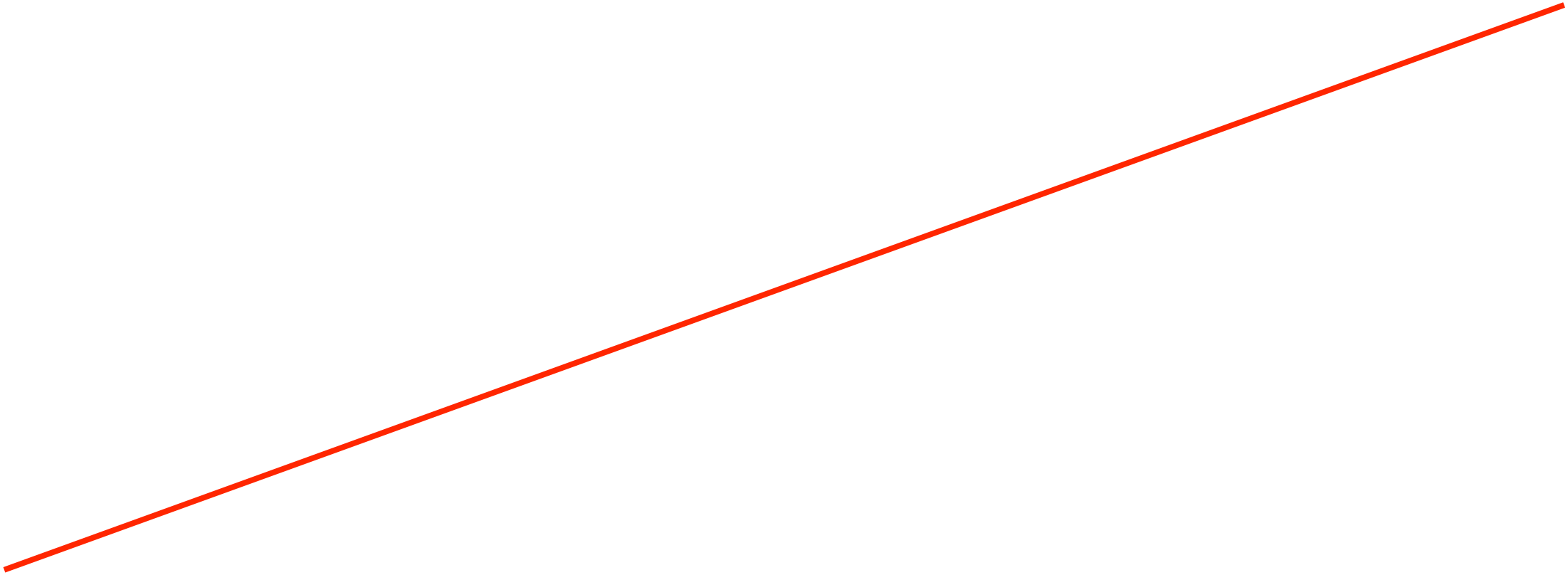


20



Demand

3



Supply



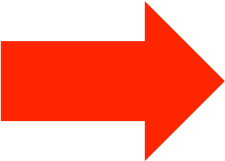
$$Q^s \equiv -15 + 5P_e$$



Qs

=

Qd



Q_e

$=$

10

Pe

=

5



$Q_s \equiv -15 + 5P$

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

$$Q^s \equiv -15 + 5(5)$$

$$Q_s = -15 + 25$$

$Q_s = 10$

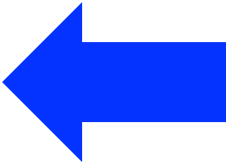
$$Q^d \equiv 20 - 2(5)$$

$$Q^d = 20 - 10$$

Ord

=

10

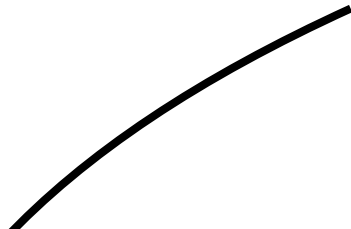


Q_e

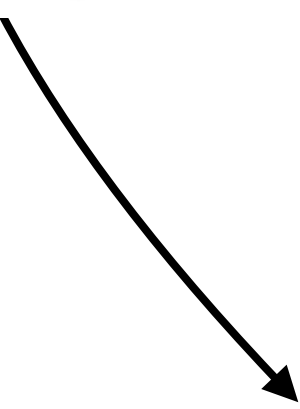
$=$

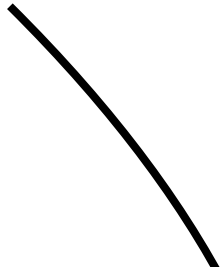
10

Calculating Equilibrium Quantity

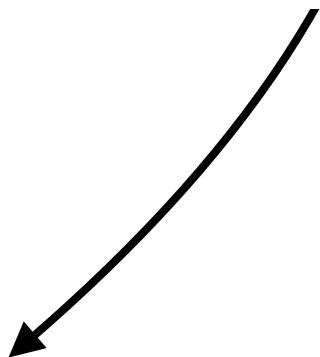


Plug in the
Equilibrium price
 $P_e = 5$ in the
Supply equation

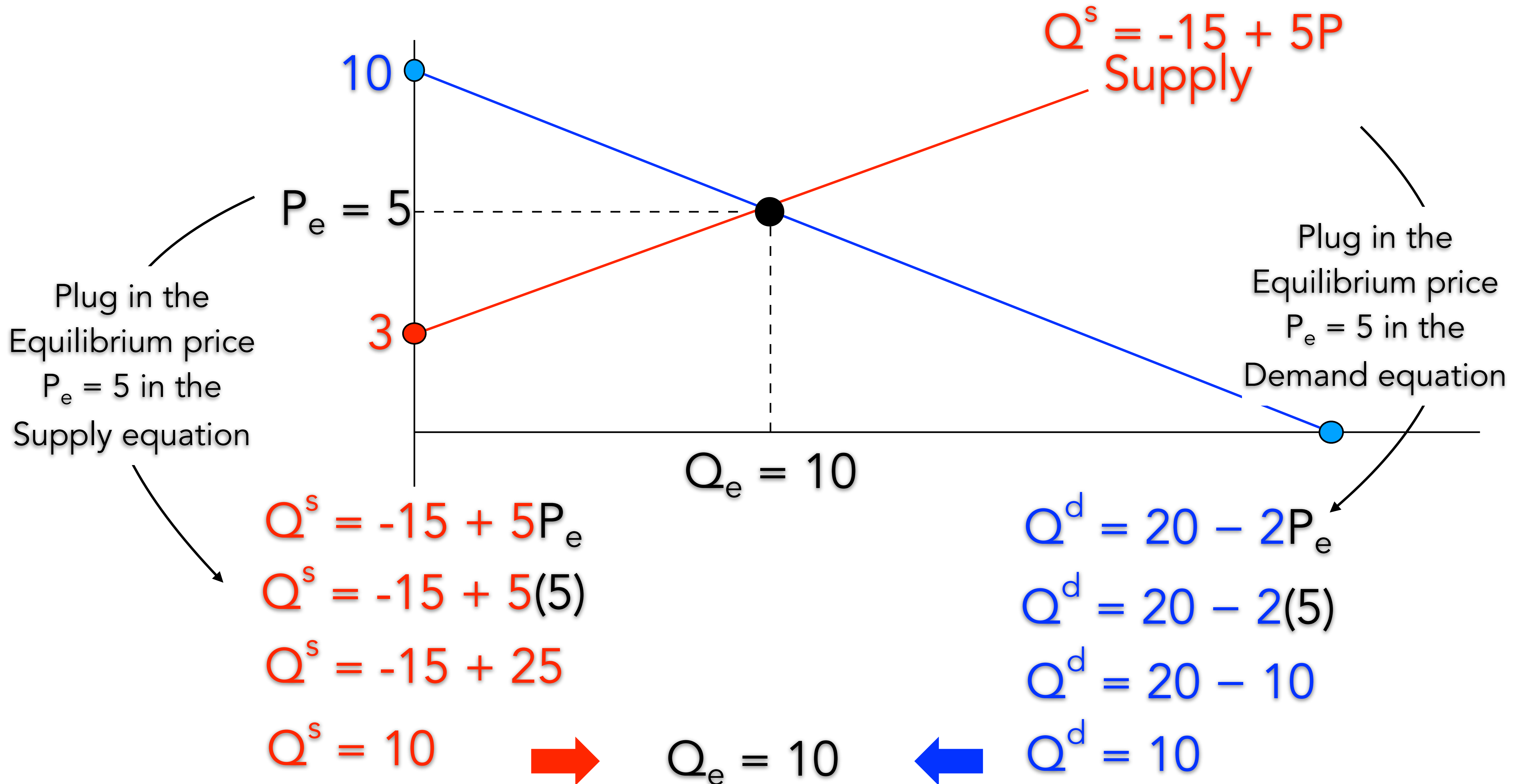




Plug in the
Equilibrium price
 $P_e = 5$ in the
Demand equation



Calculating Equilibrium Quantity



Consider the market for Marihuana

