

Ex 3.7

$$2x + 5y - 20 = 0$$

a)  $A(x; 0)$  or  $y = 0 \Rightarrow 2x - 20 = 0$   
 $x = 10 \Rightarrow A(10; 0)$

b)  $B(0; y)$  or  $x = 0 \Rightarrow 5y - 20 = 0$   
 $y = 4 \Rightarrow B(0; 4)$

c)  $y = 15 \Rightarrow 2x + 75 - 20 = 0$   
 $x = -\frac{55}{2} \Rightarrow C(-\frac{55}{2}; 15)$

d)  $x = 3 \Rightarrow 6 + 5y - 20 = 0$   
 $y = \frac{14}{5} \Rightarrow D(3; \frac{14}{5})$

e)  $x = y \Rightarrow 2x + 5x - 20 = 0$   
 $7x = 20$   
 $x = \frac{20}{7} \Rightarrow E(\frac{20}{7}; \frac{20}{7})$

f)  $F \in 2x + 5y - 20 = 0$   
 $F \in 3x - 2y - 11 = 0$

$$\begin{cases} 2x + 5y = 20 \\ 3x - 2y = 11 \end{cases} \Leftrightarrow \dots$$

