3.7
$$f(x) = 3x^2 - 5x + 2 = (3x - 2)(x - 1) = 0$$
 $x - \text{interrepts at } x = \frac{7}{3} \text{ and } x = 1$
 $f(x) = 6x - 5$
 $6x = 6$
 $7x =$

point where x=0 or y=0

3.12 max x^2y^2 $x+y=10$ => $x+y=0=0$	
$A = x_3 A_3 - y(x + A - 10)$	
A 4 (1/14-10)	
$\frac{\partial \mathcal{L}}{\partial x} = 2xy^2 - \lambda = 0$ $\frac{\partial \mathcal{L}}{\partial x} = 2xy^2 - \lambda = 0$	
7. 2.7.	
$\frac{\partial \lambda}{\partial x} = 2x^{2}y - \lambda = 0$ $\frac{\partial \lambda}{\partial y} = 2x^{2}y - \lambda = 0$	
$\frac{\partial}{\partial x} = x + y - 10 \qquad \qquad x + x - 10 = 0$	
$\frac{\partial \lambda}{\partial x} = x + y - 10$ $\frac{\partial \lambda}{\partial x} = 10$	
X > 5 Y = 5	
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