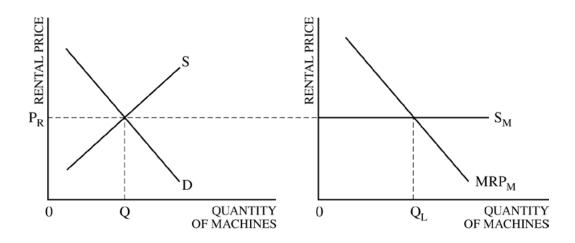
AP® MICROECONOMICS 2010 SCORING GUIDELINES

Question 2

5 points (2+2+1)



(a) 2 points:

- One point is earned for the correct side-by-side graphs with a horizontal machine supply curve for John Lamb (S, D, P_R , S_M).
- One point is earned for showing the equilibrium rental quantity of machines, Q_L , at the intersection of MRP and the horizontal supply curve.

(b) 2 points:

- One point is earned for stating that there will be no change to the marginal product curve for machine-hours.
- One point is earned for explaining that the MRP curve for machine-hours will decrease (shift to the left) because the decrease in demand decreases the price of widgets.

(c) 1 point:

• One point is earned for correctly calculating the rental price of a machine: $MP_L/w = MP_K/r = 28/14 = 60/r$. Therefore, r = \$30.

