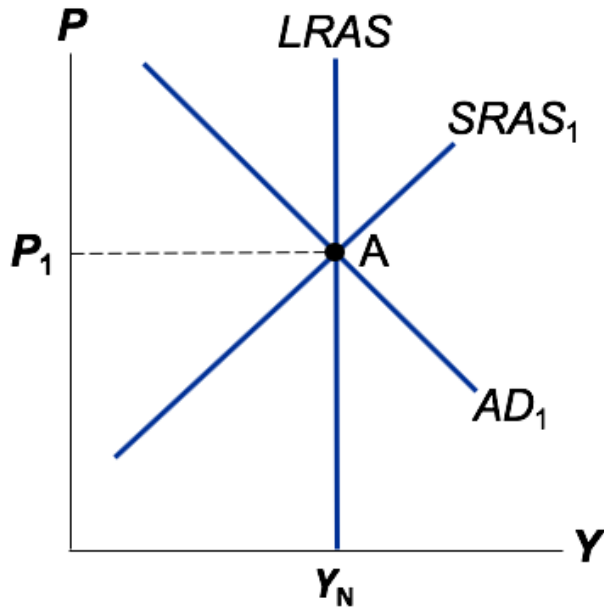
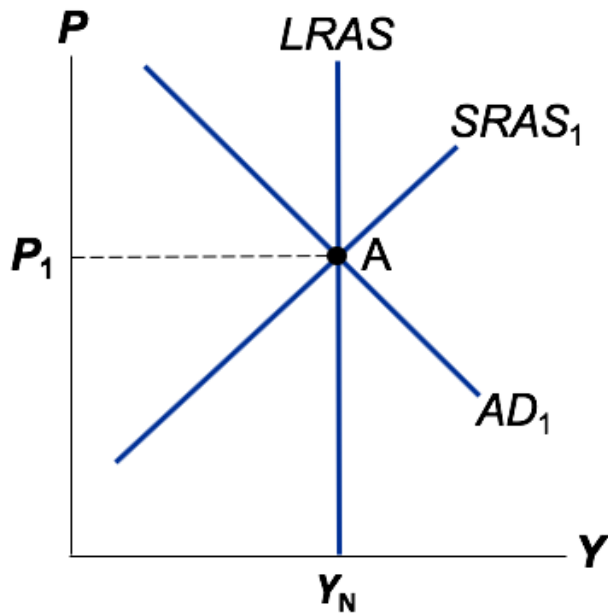


ECO 300 Macroeconomic Theory  
2<sup>nd</sup> exam Review for graphical analysis part

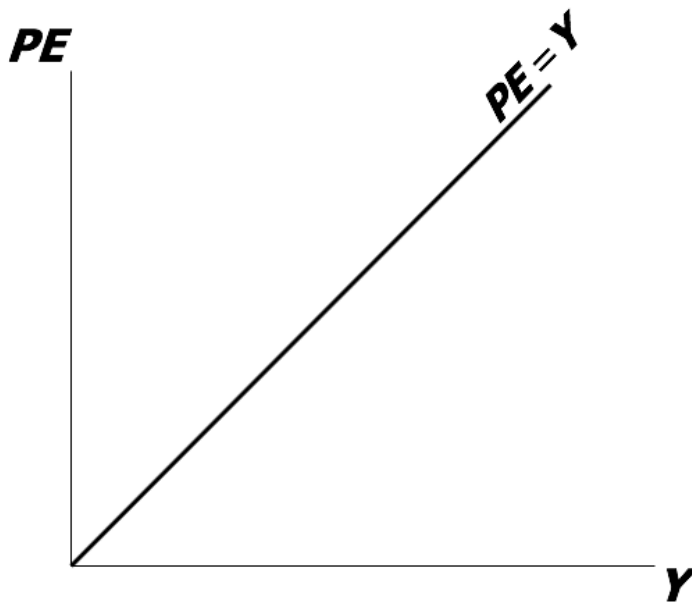
Event: Stock market crash



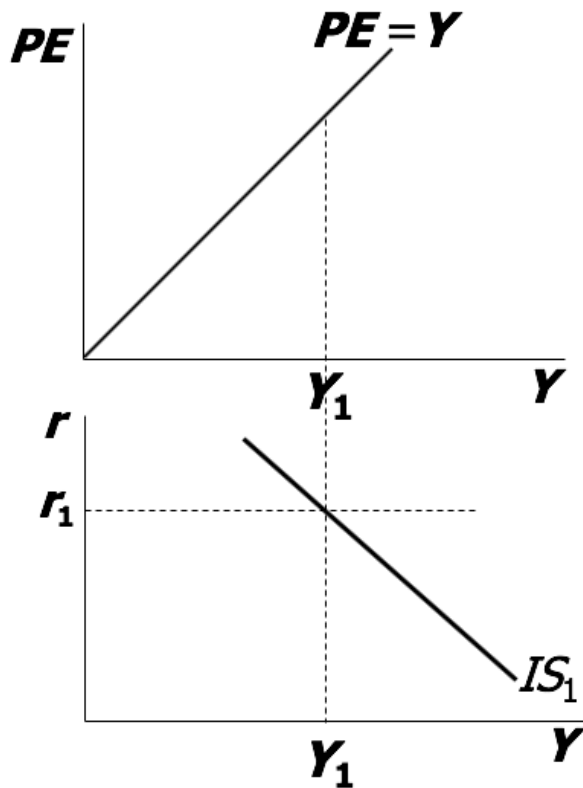
Event: Oil prices rise



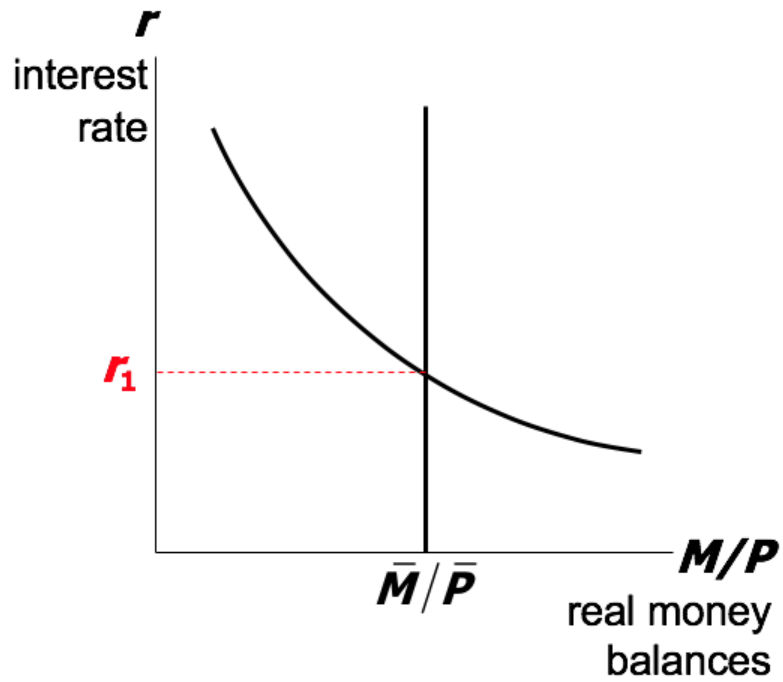
- 1 Use a graph of the Keynesian cross to show the effects of an increase in planned investment on the equilibrium level of income/output.



- 2 Use the diagram of the Keynesian cross or loanable funds model to show how an increase in taxes shifts the IS curve. If you can, determine the size of the shift.

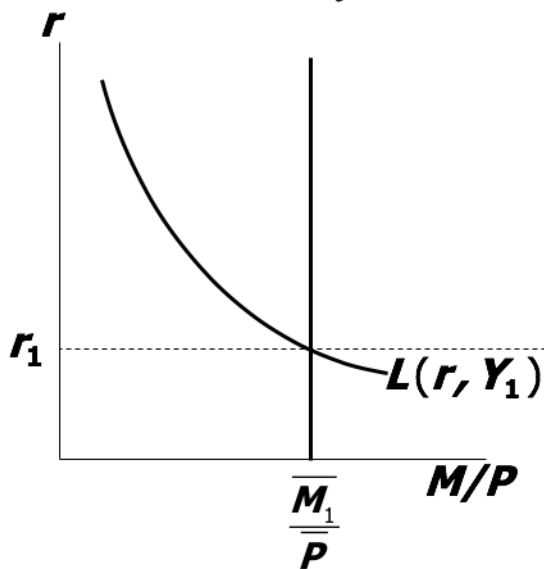


2 How the Fed raises the interest rate

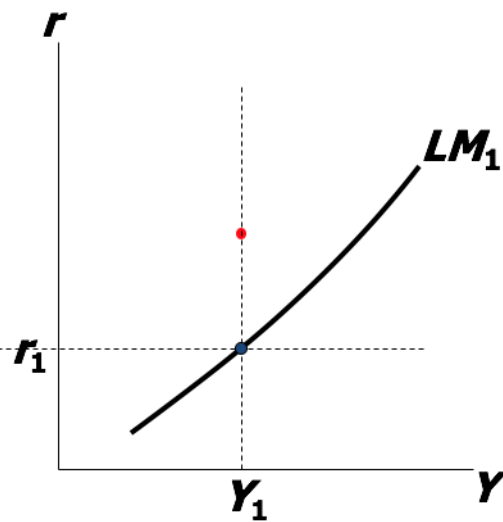


3 Suppose a wave of credit card fraud causes consumers to use cash more frequently in transactions. Use the liquidity preference model to show how these events shift the LM curve.

(a) The market for real money balances



(b) The LM curve

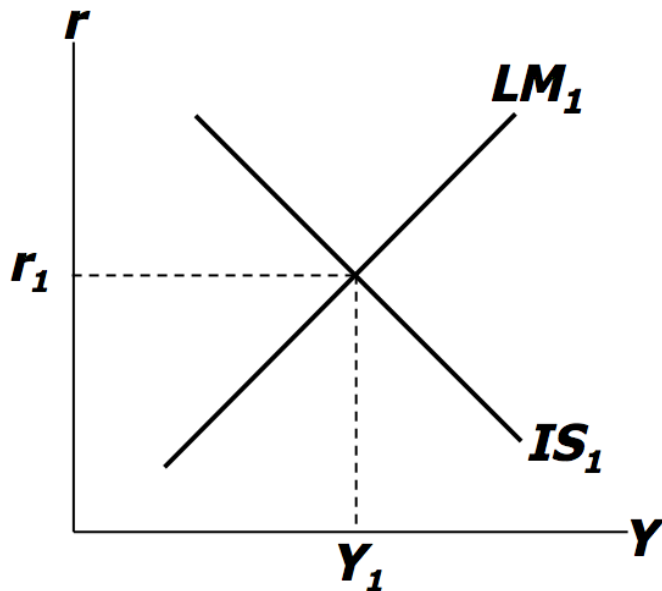


Use the *IS-LM* model to analyze the effects of

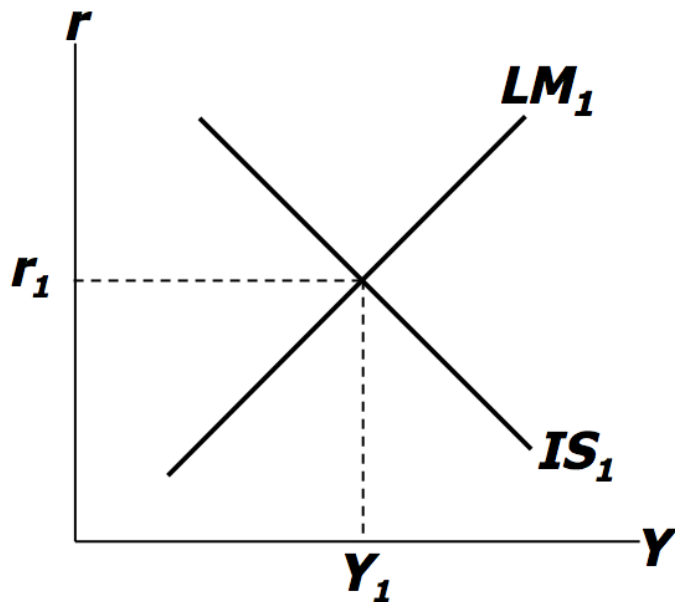
1. A housing market crash that reduces consumers' wealth
2. Consumers using cash in transactions more frequently in response to an increase in identity theft

For each shock, use the *IS-LM* diagram to determine the effects on  $Y$  and  $r$ . Figure out what happens to  $C$ ,  $I$ , and the unemployment rate.

1. Housing market crash



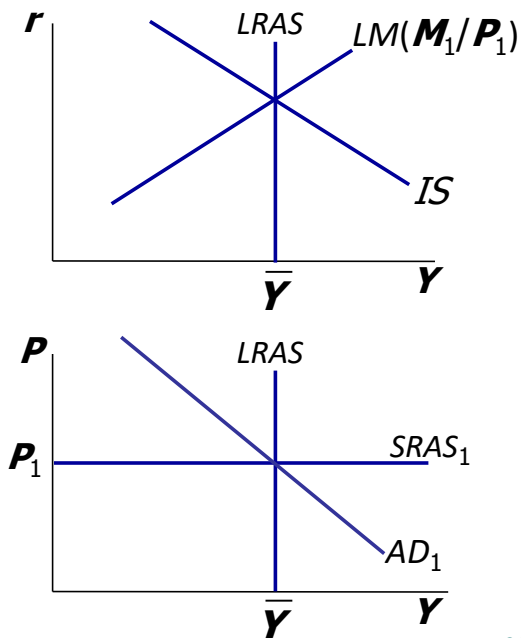
2. Increase in money demand



NOW YOU TRY

# Analyze SR & LR effects of $\Delta M$

- Draw the *IS-LM* and *AD-AS* diagrams as shown here.
- Suppose Fed increases  $M$ . Show the short-run effects on your graphs.
- Show what happens in the transition from the short run to the long run.
- How do the new long-run equilibrium values of the endogenous variables compare to their initial values?



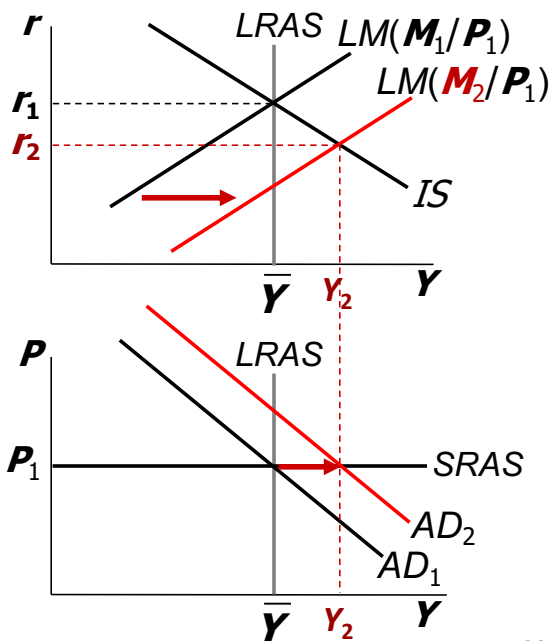
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ANSWERS, PART 1

# Short-run effects of $\Delta M$

*LM* and *AD* shift right.

$r$  falls,  $Y$  rises above  $\bar{Y}$



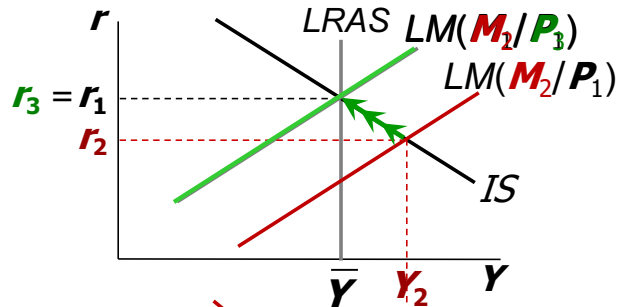
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ANSWERS, PART 2

# Transition from short run to long run

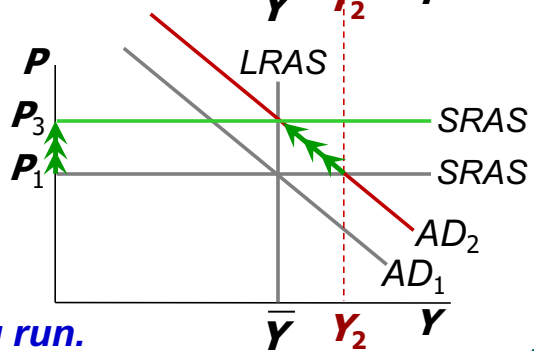
Over time,

- $P$  rises
- $SRAS$  moves upward
- $M/P$  falls
- $LM$  moves leftward



New long-run eq'm

- $P$  higher
- all *real* variables back at their initial values



**Money is neutral in the long run.**