

Place your name on the back of this sheet of paper and nowhere else. Staple your answers on the front of this sheet of paper. Failure to follow these directions will cost you 1 point. Your assignment will be typed, except graphs can be drawn by hand and mathematical equations can be done by hand. Failure to type it will cost you 10 points. If you use double-sided printing or print on the back of scrap paper, I will give you one additional point.

1) (30 points) Copy this table onto your answer sheet and fill it in. Show all calculations.

2) (20 points) Draw a normal *total productivity of labor curve*. Explain why it takes its shape.

3) (25 points) Draw a normal *average productivity of labor curve* and a *marginal productivity of labor curve* on the same graph. Explain why they take their shapes.

4) (25 points) Draw both a TPL diagram and a APL/TPL diagram. Illustrate the effects of an increase in the amount of capital on them. Explain why the curves moved as drawn.

L	TPL	APL	MPL
0			
1	12		
2		13	
3			13
	48	12	
	55		7
	63		4