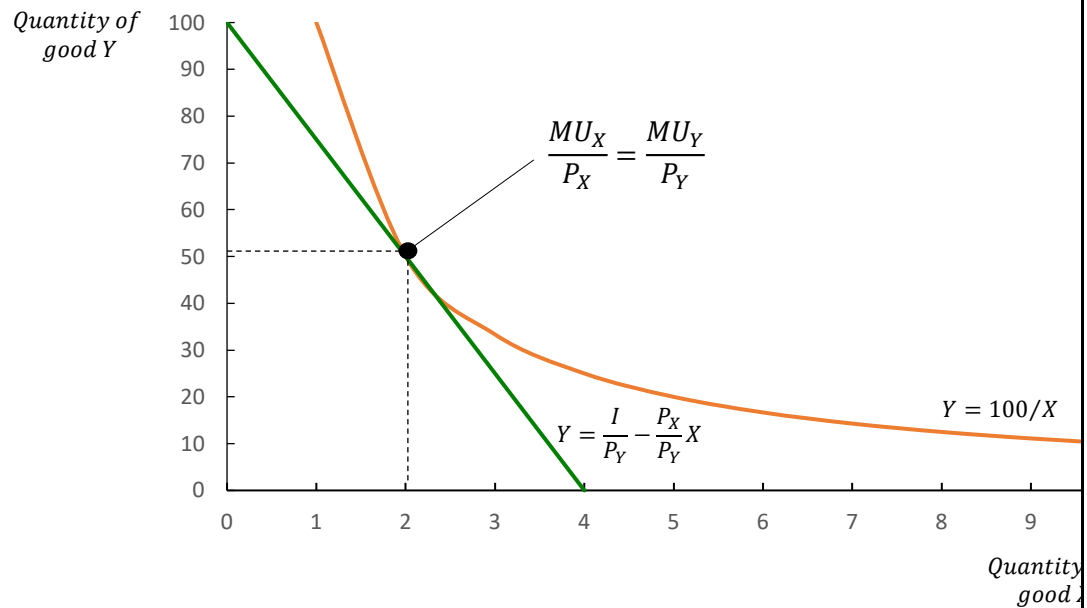


LASTNAME_FIRSTNAME_LAB_6_07

Model of Preferences			Budget Constraint	
$U = f(X, Y) = \sqrt{X \cdot Y} = 10$			$I =$	80,000
$\sqrt{X \cdot Y} = 10 \Rightarrow X \cdot Y = 10^2 \Rightarrow$			$P_X =$	20,000
$Y = 100/X$			$P_Y =$	800
Quantity of good X	Indifference Curve	Slope of indifference curve	Budget Line	Slope of the budget line
X	$Y = 100/X$	$-Y/X$	$Y = \frac{I}{P_Y} - \frac{P_X}{P_Y} X$	$-\frac{P_X}{P_Y}$
0			100	-25
1	100.00	-100.00	75	-25
2	50.00	-25.00	50	-25
3	33.33	-11.11	25	-25
4	25.00	-6.25	0	-25
5	20.00	-4.00		
6	16.67	-2.78		
7	14.29	-2.04		
8	12.50	-1.56		
9	11.11	-1.23		
10	10.00	-1.00		



	A	B	C	D	E	F	G
1	LASTNAME						
2							
3	Model of Preferences			Budget Constraint			
4	$U = f(X, Y) = \sqrt{X \cdot Y} = 10$			$I =$		80000	
5	$\sqrt{X \cdot Y} = 10 \Rightarrow X \cdot Y = 10^2 \Rightarrow$			$P_X =$		20000	
6	$Y = 100/X$			$P_Y =$		800	
7	Quantity of good X	Indifference Curve	Slope of indifference curve	Budget Line		Slope of the budget line	
	x	$Y = 100/X$	$-Y/X$	$Y = \frac{I}{P_Y} - \frac{P_X}{P_Y} X$		$-\frac{P_X}{P_Y}$	
9	0			=(\$F\$4/\$F\$6)-((\$F\$5/\$F\$6)*B9)		=\$F\$5/\$F\$6	
10	1	=100/B10	=-C10/B10	=(\$F\$4/\$F\$6)-((\$F\$5/\$F\$6)*B10)		=\$F\$5/\$F\$6	
11	2	=100/B11	=-C11/B11	=(\$F\$4/\$F\$6)-((\$F\$5/\$F\$6)*B11)		=\$F\$5/\$F\$6	
12	3	=100/B12	=-C12/B12	=(\$F\$4/\$F\$6)-((\$F\$5/\$F\$6)*B12)		=\$F\$5/\$F\$6	
13	4	=100/B13	=-C13/B13	=(\$F\$4/\$F\$6)-((\$F\$5/\$F\$6)*B13)		=\$F\$5/\$F\$6	
14	5	=100/B14	=-C14/B14				
15	6	=100/B15	=-C15/B15				
16	7	=100/B16	=-C16/B16				
17	8	=100/B17	=-C17/B17				
18	9	=100/B18	=-C18/B18				
19	10	=100/B19	=-C19/B19				