## Lecture 20 Worksheet (ECON211), AY 2025-26 [Date: 11 Sep 2025]

surplus as the price changes from $p=30$ to $p=70$ .	
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2. Find the degree of homogeneity for the following functions: (i) $f(x,y)=xy$ , (ii) $f(x,y)=\sqrt{x}+\sqrt{y}$ , and	(iii
$f(x,y) = \frac{x}{y}.$	
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3. Find the margi	nal utilities and the	marginal rate of	substitution for	the following u	tility functions: (i	$f(x_1, x_2) =$
$4x_1 + 4x_2$ , (ii) $f(x_1)$	$x_1, x_2) = \sqrt{x_1} + x$	2.				
$\frac{H(K, L) - K}{H}$	F(K,L) = 2					