



2. Firm B's production function is  $F(K, L) = \min\{3K, L\}$ . Input prices are  $r = 6$  and  $w = 5$ . What is B's cost function  $c(q)$ ? If the firm is producing in a competitive market, what must the price be?
3. In a competitive market, Firm C has cost curve  $c(q) = 4q^2$ . What is their supply curve? What is the elasticity of supply?
4. Firm C has production function  $F(K, L) = K^{\frac{1}{4}}L^{\frac{1}{4}}$ . They face input prices  $r = 4$ ,  $w = 1$ . What is their cost curve  $c(q)$ ? (Hint: You can solve the problem directly with substitution or solve for the MRTS and set it equal to the slope of the isocost curve.)