1) An appliance company makes coffee makers for which the variable cost per unit is $12 and the fixed cost is $92,000. What should the selling price be for the company to earn a profit of $88,000 on 10,000 units?

2) Suppose consumers will demand 30 units of a product when the price is $12 per unit and 22 units when the price is $16 each. Assuming the demand equation is linear, find the equation and find the price when 25 units are demanded.