(1) [4] Determine the market price if $S = 20p + 500$ and $D = 1000 - 30p$.

(2) [4] Solve the following system of equations or say that it is inconsistent:

$$3x - 6y = 2$$
$$5x + 4y = 1$$

(3) [7] For a certain commodity the supply equation is

$$S = 2p + 5$$

At a price of $1 there is a demand for 19 units of the commodity. Find the demand equation if the demand equation is linear and the market price is $3 .