2. In each of the following sets of variables, identify which of the variables can be regarded as a response variable and which can be used as predictors?

(Explain)

(a) Number of cylinders and gasoline consumption of cars 실린더 수에 따라 가솔린 소비량에 영향을 준다.

(b) SAT scores, grade point average, and college admission SAT, GPA로 대학 입학에 영향을 미친다.

(c) Supply and demand of certain goods 공급, 수요는 서로 영향을 미친다.

(d) Company's assets, return on a stock, and net sales 순매출액, 회사 자산은 주가 이익에 영향을 미친다.

(e) The distance of a race, the time to tun the race, and the weather conditions at the time of running 경주 거리, 기상 조건에 따라 경주 시간에 영향을 준다.

(f) The weights of a person, whether or not the person is a smoker, and whether or nor the person has a lung cancer 몸무게와 흡연 여부는 폐암에 영향을 준다.

(g) The height and weight of a child, his/her parents' height and weight, and the gender and age of the child 부모의 키와 몸무게, 아이의 성과 나이는 아이 키와 몸무게에 영향을 준다.

2. In each of the following sets of variables, identify which of the variables can be regarded as a response variable and which can be used as predictors?

(Explain)

    (a) Number of cylinders and gasoline consumption of cars

    (b) SAT scores, grade point average, and college admission

    (c) Supply and demand of certain goods

    (d) Company's assets, return on a stock, and net sales

    (e) The distance of a race, the time to tun the race, and the weather conditions at the time of running

    (f) The weights of a person, whether or not the person is a smoker, and whether or nor the person has a lung cancer

    (g) The height and weight of a child, his/her parents' height and weight, and the gender and age of the child