16.

24.

27.

29.

31.

35. (200/.1)\*3

38.

43.

Problem 9 (6 points): **MEDIASITE**

Consider a magnetic disk that has 16 heads and 600 cylinders.

The disk is divided into five 120-cylinder zones with the cylinders in

different zones containing 200, 240, 280, 320, and 360 sectors, respectively.

Assume each sector contains 512 bytes. Average track-to-track (adjacent-track)

seek time is 2msec. The disk rotates at 7200 RPM.

Calculate

(a) disk capacity

(b) optimal track skew

(c) max data transfer rate.