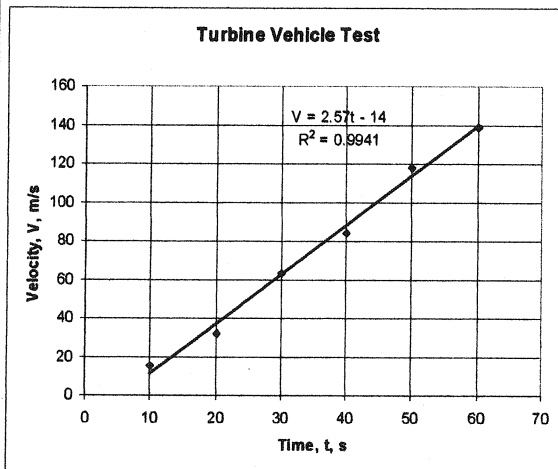
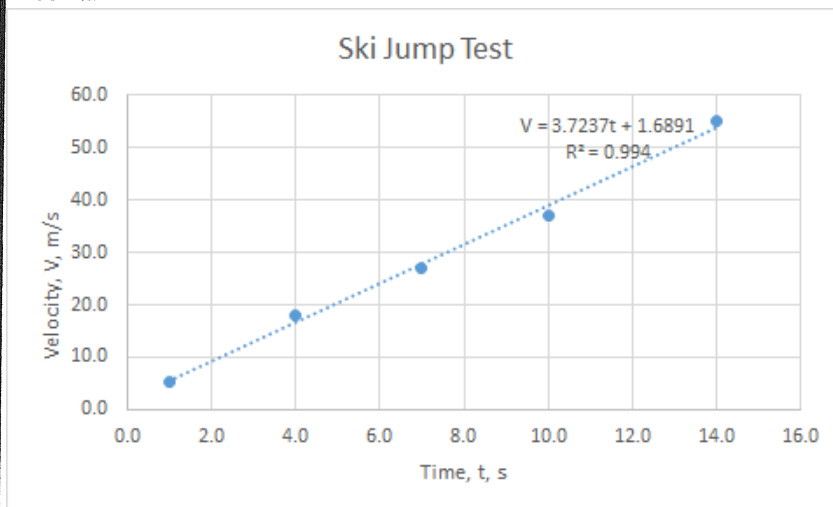


Prob 5.1



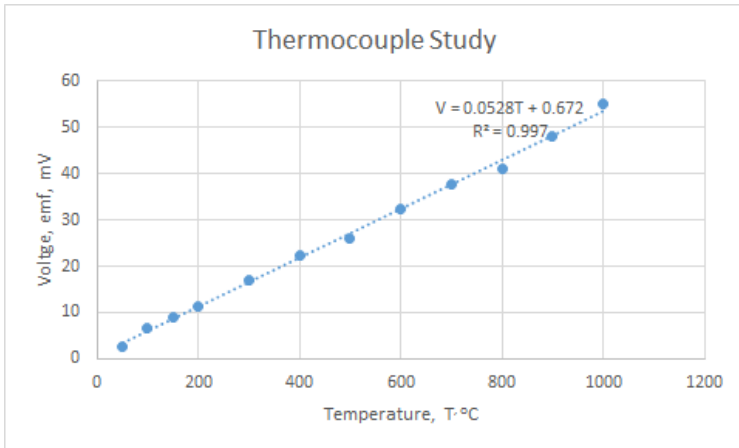
d) Slope = acceleration = 2.57 m/s^2

Prob 5.2

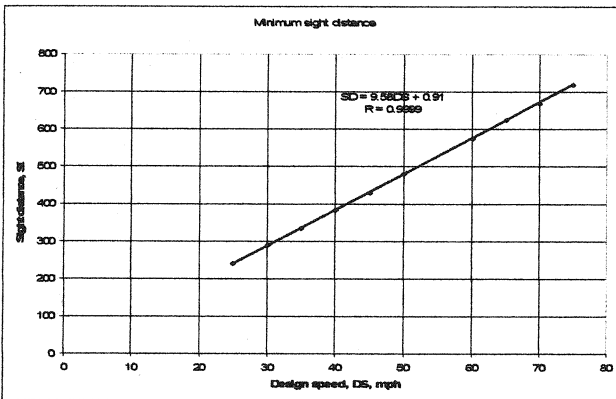


d) Average acceleration = 3.7 m/s^2

Prob 5.3

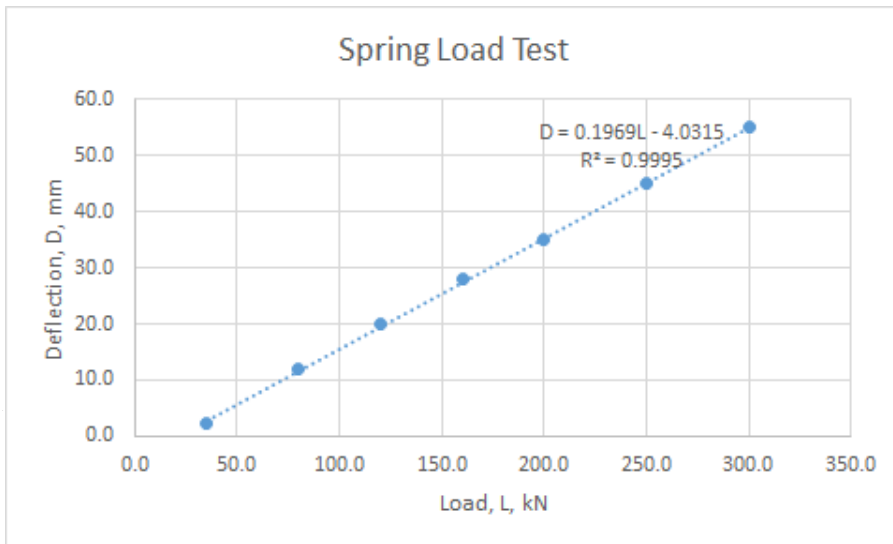


Prob 5.4



d) 528 ft

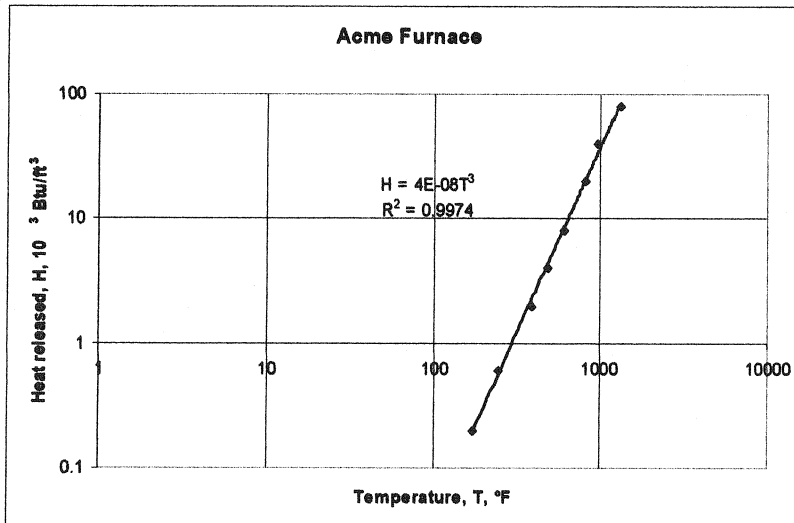
Prob 5.5



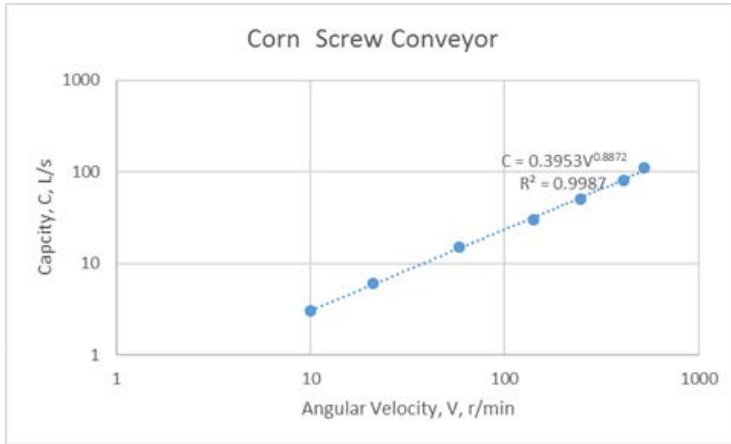
b) 401 kN

c) 629 kN

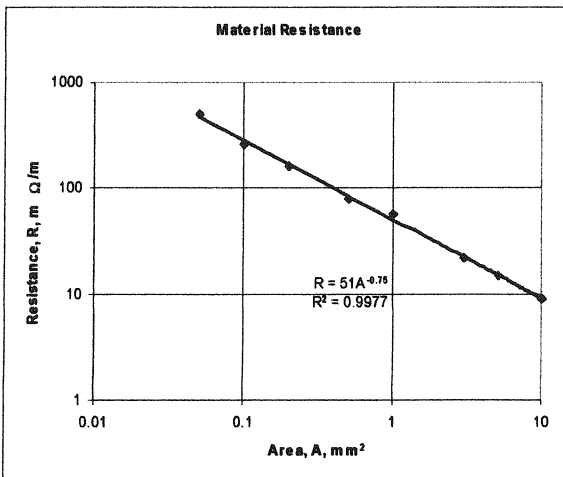
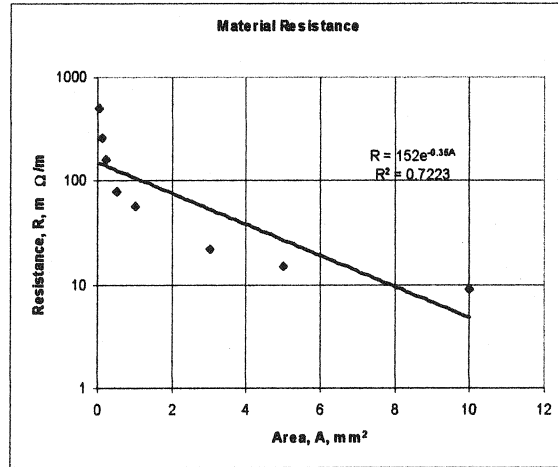
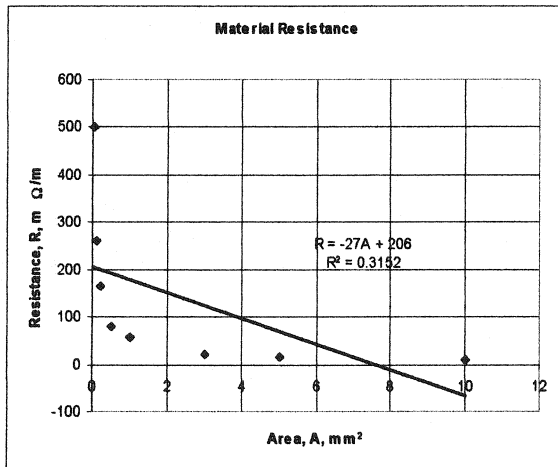
Prob 5.6



Prob 5.7

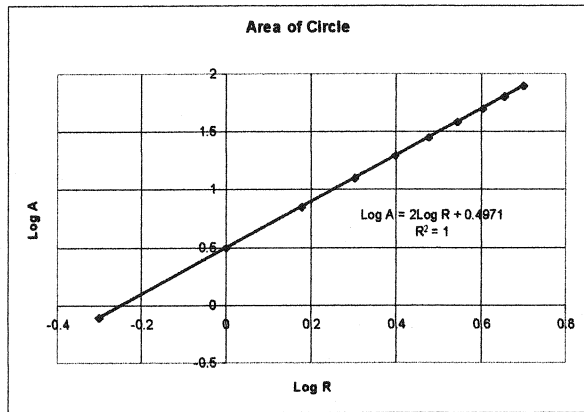
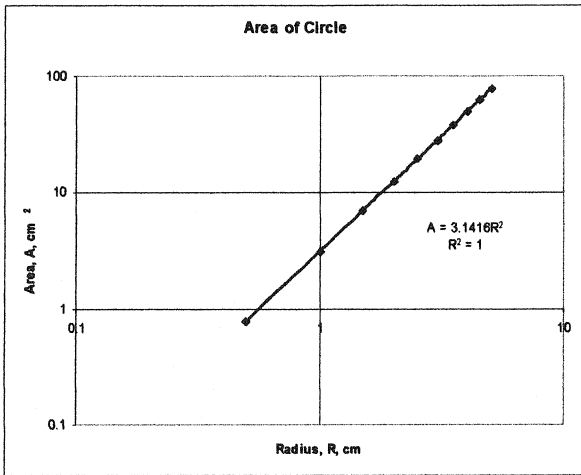


Prob 5.8

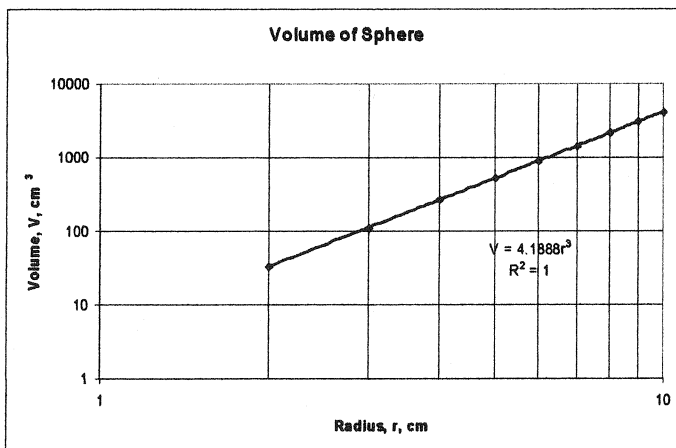


Power curve is best

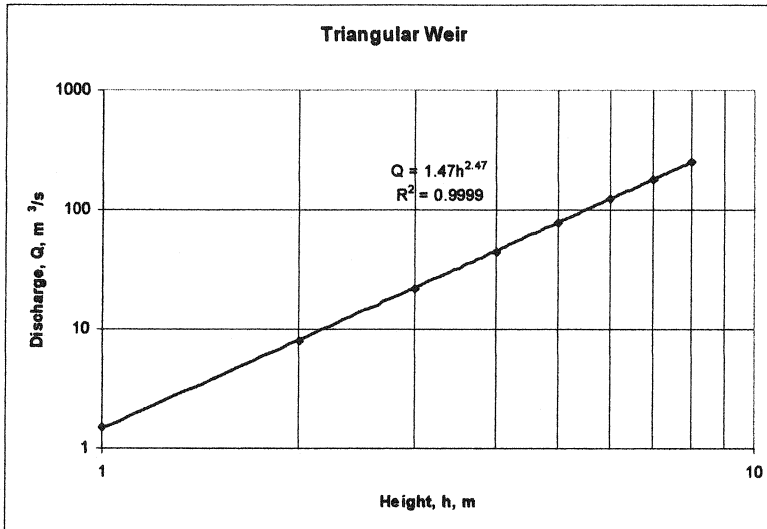
Prob 5.9



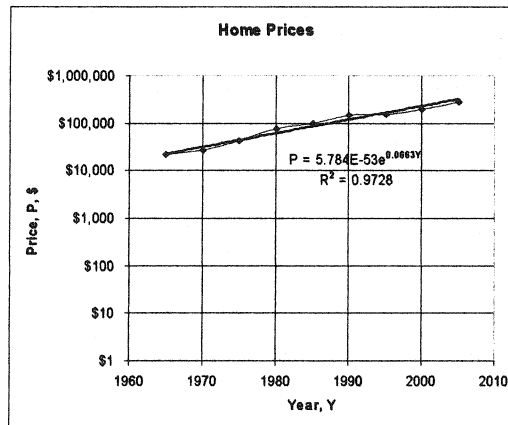
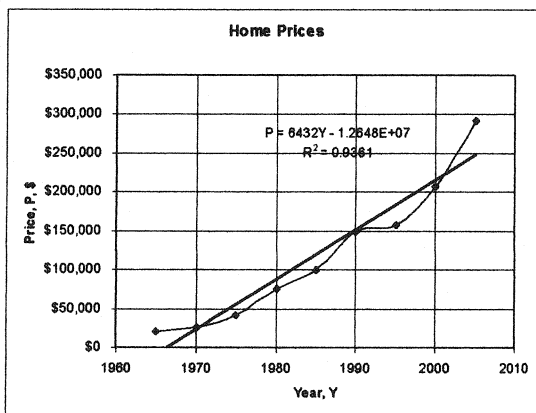
Prob 5.10



Prob 5.11

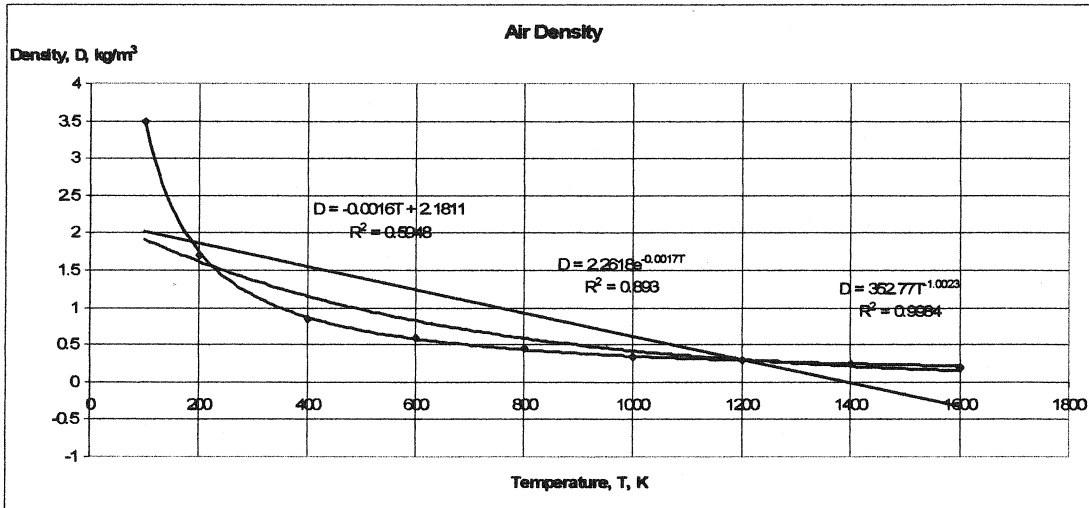


Prob 5.12

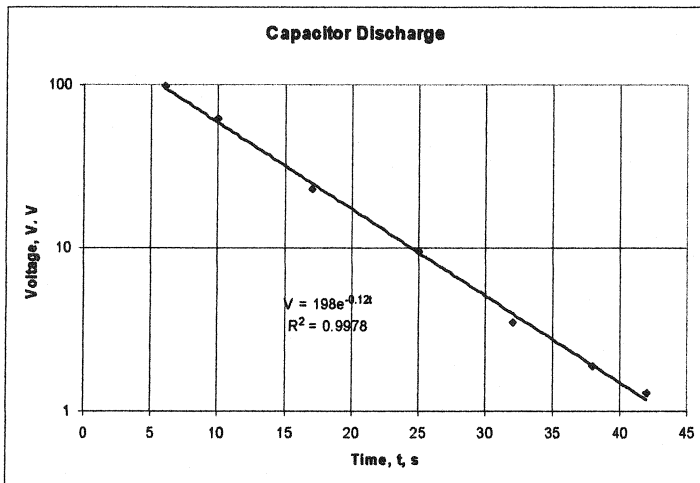


d) Exponential is best

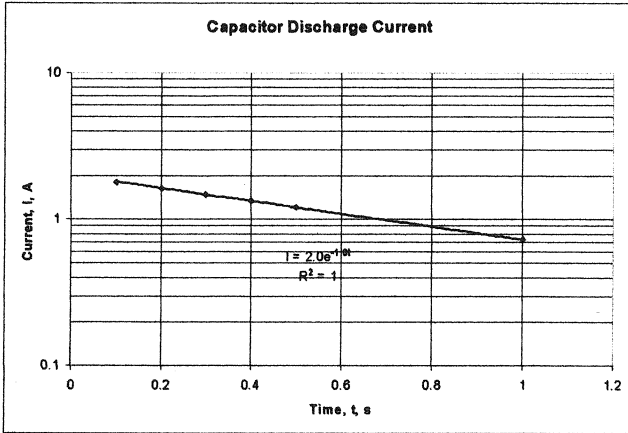
Prob 5.13



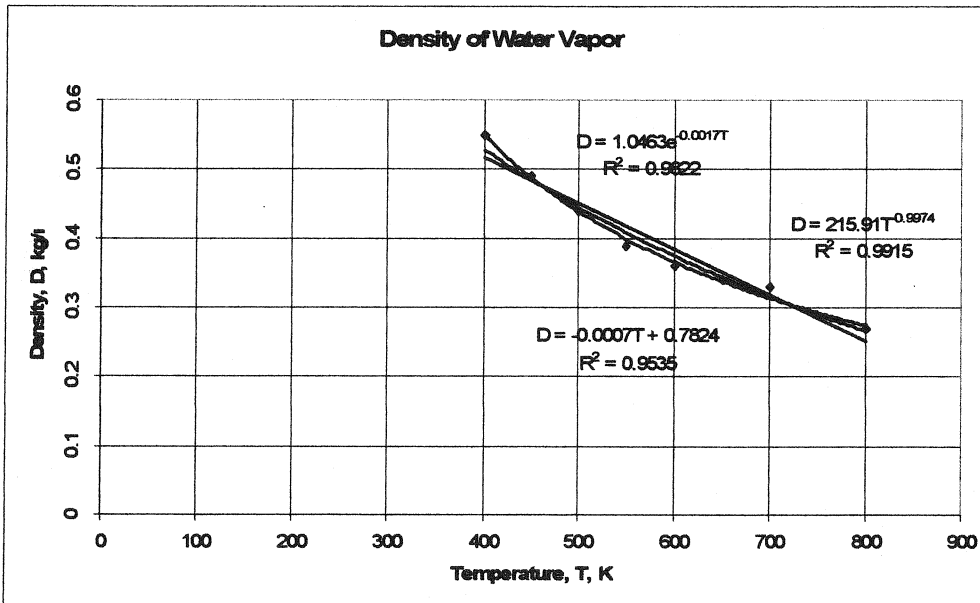
Prob 5.14



Prob 5.15

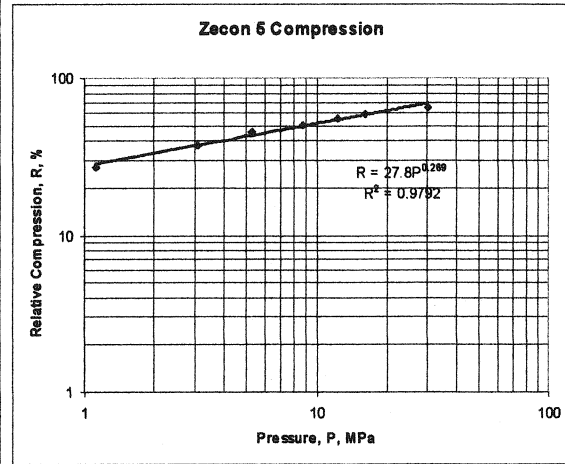
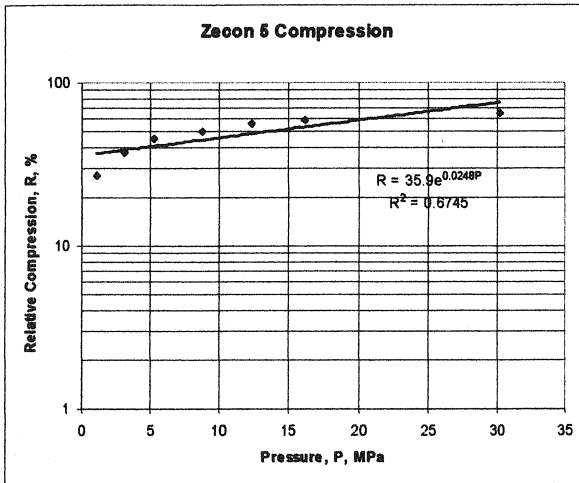


Prob 5.16



Power curve best

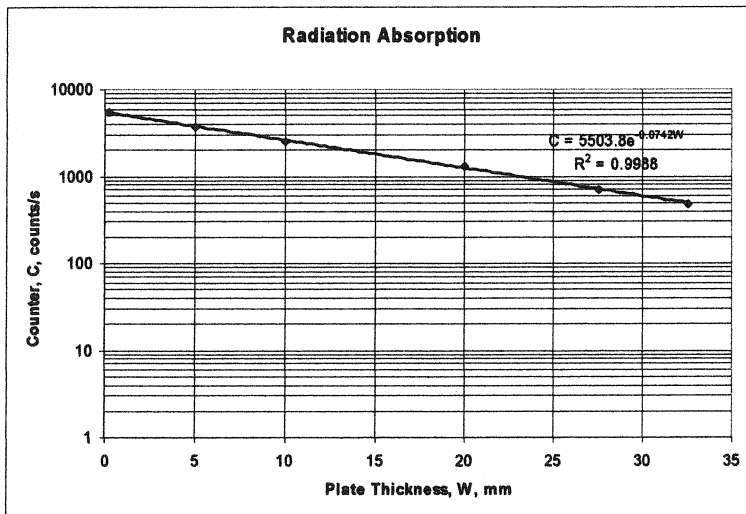
Prob 5.17



Power curve best

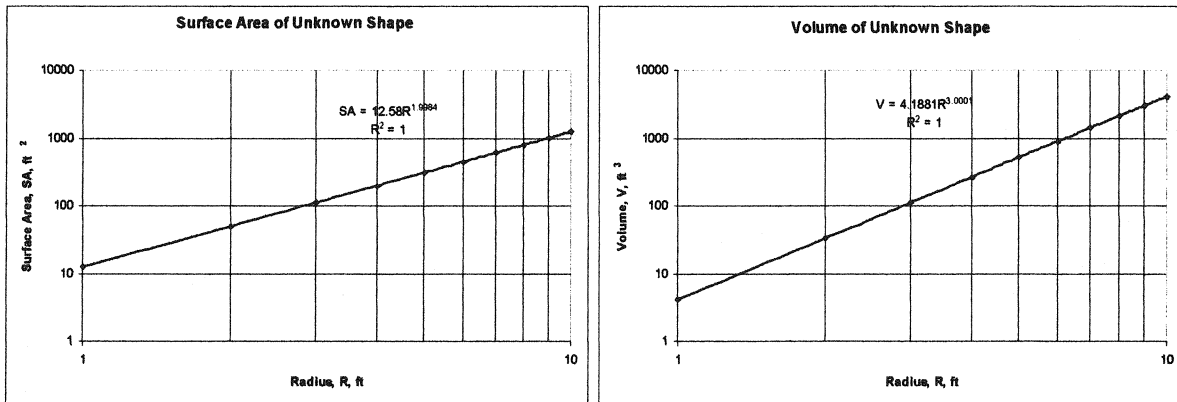
d) 0.022 MPa

Prob 5.18



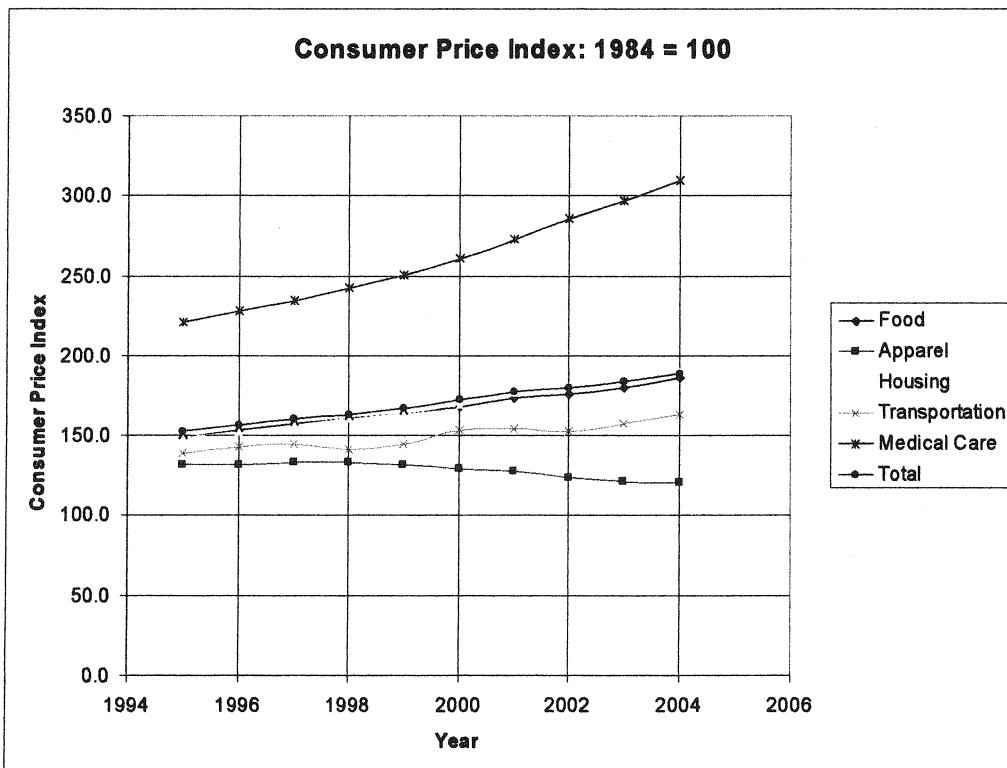
d) 127 counts/second

Prob 5.19

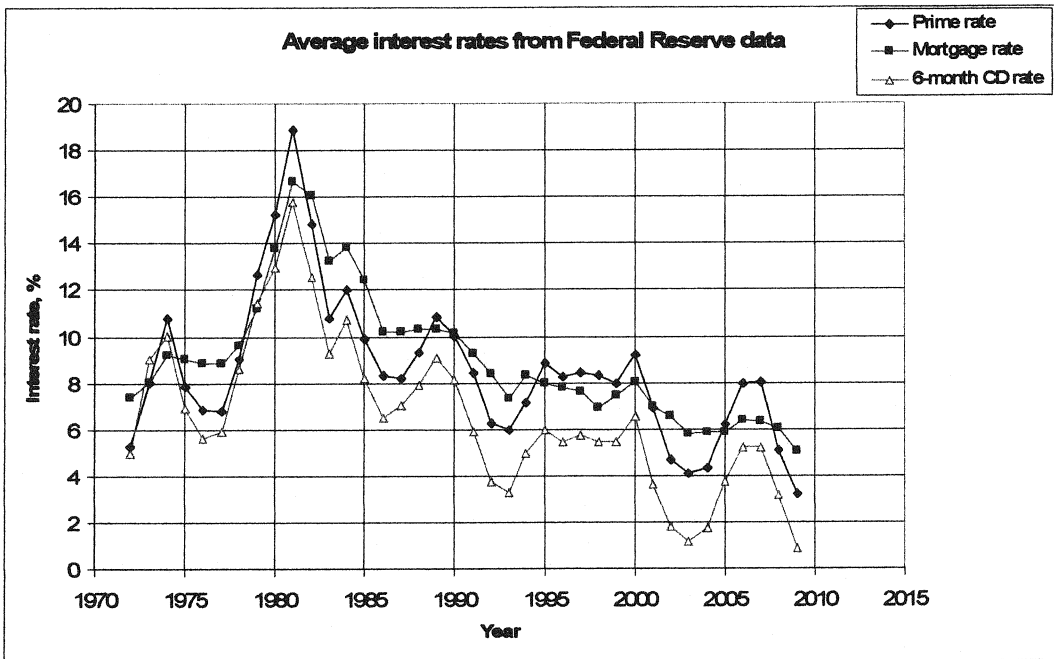


b) Sphere

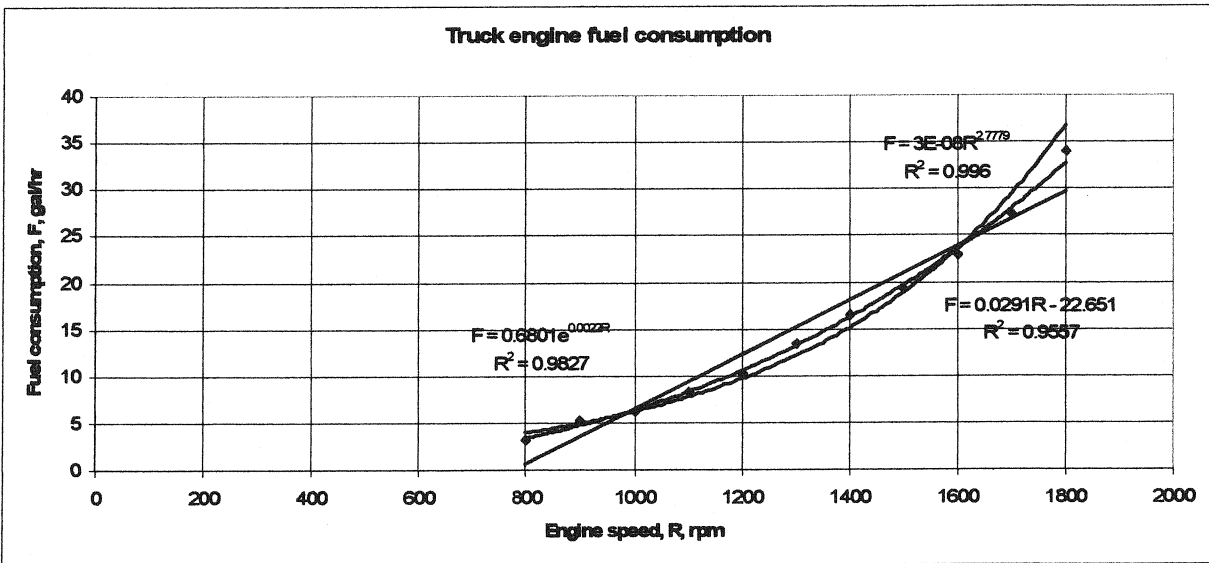
Prob 5.20



5.21



5.22



Prob 5.22 (cont)

