Math4020
Midterm 2
Formula Sheet

the five Regular Polyhedra (a.k.a. Platonic Solids):

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Euler's Formula for Polyhedra: _____

SA = 2A + Ph

SA = A + 0.5Pl

SA = $4\pi r^2$

V = Ah

V = $\dfrac{1}{3}$ (Ah)

V = $\dfrac{4}{3}\pi r^3$

$$z = \frac{x - \bar{x}}{\sigma}$$

$$_nC_r = \frac{n!}{(n-r)!\,r!}$$

$$_nP_r = \frac{n!}{(n-r)!}$$

$$\sigma^2 = \frac{(x_1 - \bar{x})^2 + (x_2 - \bar{x})^2 + \ldots + (x_n - \bar{x})^2}{n}$$