

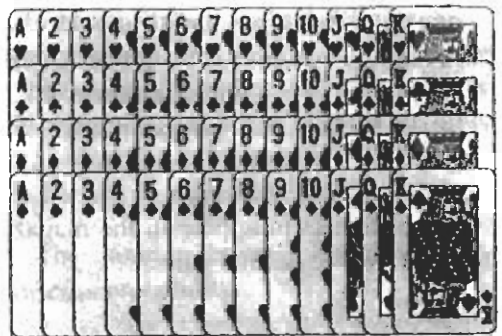
Formula Sheet for MGF 1106

Geometry

Area	trapezoid:	$A = \frac{1}{2}h(b_1 + b_2)$
	parallelogram	$A = bh$
Volume:	Cylinder	$V = \pi r^2 h$
	Cone	$V = \frac{1}{3}\pi r^2 h$
	Sphere	$V = \frac{4}{3}\pi r^3$
	Prism	$V = Bh$, where B is the area of the base
	Pyramid	$V = \frac{1}{3}Bh$, where B is the area of the base

Probability

- Row 1: Red Hearts
- Row 2: Black Clubs
- Row 3: Red Diamonds
- Row 4: Black Spades



Statistics

$$s = \sqrt{\frac{\sum(x - \bar{x})^2}{n-1}}$$

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