

## **MEET 2**

### **2A Linear Equations in One Unknown**

- Solving numeric equations (perhaps involving a second degree term which drops out)
- Solving literal equations
- Story problems leading to linear equations in one variable
- Linear inequalities

### **2B Triangular figures and solids**

- Medians, angle bisectors, and altitudes
- Ceva's and Stewart's Theorems
- Area of a triangle (including Hero's Formula)
- Triangular prisms & pyramids (including volume and surface area)
- **2013-2014 Challenge Topic: Mass Points**

### **2C Trigonometry**

- Functions of sums of angles and sums of functions of angles
- Half and double angle formulas
- Reduction formulas
- (Not required: formulas for  $\sin A + \sin B$ , etc.)

### **2D Analytic Geometry of Straight Lines and Circles**

- Slope, families of parallel, perpendicular, or coincident lines
- Point-slope, slope-intercept, intercept, normal forms of the straight line
- Intersections (solution of simultaneous systems)