

Hong Kong Mathematics Olympiad 2015/16

Heat Event (Geometric Construction)

香港数学竞赛 2015/16

初赛（几何作图）

1. Suppose there are three different parallel lines, L_1 , L_2 and L_3 . Construct an equilateral triangle with only one vertex lies on each of three parallel lines.

假设有三条不同的平行线， L_1 、 L_2 及 L_3 。构造一个等边三角形，其中每条平行线只会有一个顶点存在。

2. Given four points A , B , C and D as shown in the figure below, construct a square which passes through these four points.

下图所示为四点 A 、 B 、 C 及 D ，构造一个通过这四点的正方形。



END

完