

MATHEMATICS ENRICHMENT CLUB.<sup>1</sup>  
Problem Sheet 14, August 27, 2012

1. In how many ways can three boys and three girls stand in a line so that no two boys are next to each other and no two girls are next to each other?
2. Draw a regular 5-pointed star. Find the sum of the angles at the 5 points of the star. What happens in an  $n$ -pointed star?
- 3.