1. a) Factorise the expression 16x2-8x+1 (3mks)

b) Use the method of completing the square to solve 4x2+3x-5=0 (3mks)

C) Use quadratic formula to solve 2x2-5x-3=0 (3mks)

2. P(5,-4) and Q(-1,-2) are points on a straight line. Find the equation of the perpendicular bisector of PQ ; giving the answer in the form y=mx+c (4mks)

3. A regular polygon has its exterior angle 180, and one of its sides 16cm. calculate its area.

(to 2 d.p) (3mks)

3. The table below shows the ages of 55 people.

|  |  |
| --- | --- |
| **Age (years)** | **Frequency** |
| 10-14  15-19  20-24  25-29  30-34  35-39  40-44 | 2  8  16  10  9  6  4 |

Calculate the median age. (3mks)