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**  |
| 10-1415-1920-2425-2930-3435-3940-44 | 281610964 |

Calculate the median age. (3mks)