(1) Sam scored 37 out of 53 in a test. Jim scored 67 out of 96 in a test. Who had the highest proportion of correct answers?

(2) The diagram below shows the quadrilateral $ABCD$.

$$AB = 7$$
$$BC = \sqrt{41}$$
$$CD = 5$$
$$BD$$ is perpendicular to $AB$ and $DC$.

Find the size of Angle $BAD$.

(3) It takes 8 men 16 days to build a wall. 4 men work at the same rate and get paid £120 for each day they work. Find the total cost of hiring the 4 men to complete the job.

(4) The diagram below shows two similar trapeziums.

Express $p$ in terms of $q$. 
(5) Complete the table below.

<table>
<thead>
<tr>
<th>Age</th>
<th>Frequency</th>
<th>Cumulative Frequency</th>
<th>Frequency Density</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-10</td>
<td>6</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>20-30</td>
<td>20</td>
<td>22</td>
<td>2</td>
</tr>
<tr>
<td>50-60</td>
<td>8</td>
<td>20</td>
<td>2</td>
</tr>
</tbody>
</table>

(6) The triangle in the diagram below has side lengths $2x$, $(x+2)$ and $(x+1)$.

Show that $2x^2 - 6x - 5 = 0$.

(7) Find the area of a circle with a circumference of $8\pi$ cm, Give your answer in terms of $\pi$.

(8) The bearing of Town B from Town A is $(2x - 10)\degree$.
The bearing of Town A from Town B is $(7x - 30)\degree$.
Find the value of $x$. 