Calvert Formula Worksheet

\[
\frac{(140 - \text{age}) \times \text{wt in kg} \times (X \ 0.85 \text{in women})}{72 \times \text{serum creatinine}} = \text{GFR} \quad \text{(Cockcroft & Gault Method)}
\]

(Can use Creatinine Clearance for GFR if new one is available)

\[
(\text{GFR} + 25) \times \text{AUC} = \text{dose in mg}
\]

Warning: This can be an overestimation in obese patients with subsequent overdosage

Target AUC (mg/ml X min) depends on previous treatment and combination chemotherapy. **Physician makes this determination.**

<table>
<thead>
<tr>
<th>Target AUC</th>
<th>Chemo Combo</th>
<th>Previous Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 to 8</td>
<td>no combination</td>
<td>no</td>
</tr>
<tr>
<td>4 to 6</td>
<td>no combination</td>
<td>yes</td>
</tr>
<tr>
<td>4 to 6</td>
<td>combination with Cytoxin</td>
<td>no</td>
</tr>
</tbody>
</table>

You Need:
- Patient age = _______
- Patient Weight In Kg* = _______
- * Measured Weight in pounds = _______ Divided by Wt in kg = _______ Kg
- Male or Female? _______
- Serum Creatinine = _______
- AUC (ordered by MD) = _______

\[
\frac{\{140 - (\text{pt age})\} \times (\text{wt in kg}) (X \ 0.85 \text{if female})}{72 \times \text{(serum creatinine)}} = \text{_______ (GFR)}
\]

\[
\{____(\text{GFR}) + 25\} \times _____(\text{AUC}) = _____ \text{mg (dose ordered)}
\]

Nurse giving chemo: ___________________________________________

Nurse checking chemo: _________________________________________