Expand each problem using the box method.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. $(2x^2-5)^2$</td>
<td>4x^4 - 20x^2 + 25</td>
</tr>
<tr>
<td>2. $(-3x^2+6x)^2$</td>
<td>9x^4 - 36x^3 + 36x^2</td>
</tr>
<tr>
<td>3. $(7x^2-4x)^2$</td>
<td>49x^4 - 56x^3 + 16x^2</td>
</tr>
<tr>
<td>4. $(6x^2+9x)^2$</td>
<td>36x^4 + 108x^3 + 81x^2</td>
</tr>
<tr>
<td>5. $(6x-8)^2$</td>
<td>36x^2 - 96x + 64</td>
</tr>
<tr>
<td>6. $(-6x-4)^2$</td>
<td>36x^2 + 48x + 16</td>
</tr>
<tr>
<td>7. $(4x^2-8x)^2$</td>
<td>16x^4 - 64x^3 + 64x^2</td>
</tr>
<tr>
<td>8. $(3x^2-8)^2$</td>
<td>9x^4 - 48x^2 + 64</td>
</tr>
<tr>
<td>9. $(3x^2+3x)^2$</td>
<td>9x^4 + 18x^3 + 9x^2</td>
</tr>
<tr>
<td>10. $(8x^2-9)^2$</td>
<td>64x^4 - 144x^2 + 81</td>
</tr>
</tbody>
</table>
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<th></th>
<th>1) ((2x^2-5)^2)</th>
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<th>8) ((3x^2-8)^2)</th>
<th>9) ((3x^2+3x)^2)</th>
<th>10) ((8x^2-9)^2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(x^2)</td>
<td>2</td>
<td>-3</td>
<td>7</td>
<td>6</td>
<td>6</td>
<td>-6</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>(4x^4)</td>
<td>-5</td>
<td>9</td>
<td>-49</td>
<td>36</td>
<td>36</td>
<td>36</td>
<td>16</td>
<td>9</td>
<td>9</td>
<td>16</td>
</tr>
<tr>
<td>(-10x^2)</td>
<td>0</td>
<td>18</td>
<td>28</td>
<td>54</td>
<td>-48</td>
<td>24</td>
<td>-32</td>
<td>24</td>
<td>9</td>
<td>-24</td>
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<tr>
<td>(-25)</td>
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<td>36</td>
<td>64</td>
<td>81</td>
<td>64</td>
<td>16</td>
<td>64</td>
<td>64</td>
<td>9</td>
<td>64</td>
</tr>
</tbody>
</table>

**Answers**

1. \(4x^4-20x^2+25\)
2. \(9x^4-36x^3+36x^2\)
3. \(49x^4-56x^3+16x^2\)
4. \(36x^4+108x^3+81x^2\)
5. \(36x^4-96x+64\)
6. \(36x^2+48x+16\)
7. \(16x^4-64x^3+64x^2\)
8. \(9x^4-48x^2+64\)
9. \(9x^4+18x^3+9x^2\)
10. \(64x^4-144x^2+81\)