<table>
<thead>
<tr>
<th>Reflection Type</th>
<th>Points</th>
<th>New Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reflection across the line y = 4</td>
<td>K(1, 1), L(1, 3), M(3, 3), N(3, 1)</td>
<td>K’: ______ , L’: ______</td>
</tr>
<tr>
<td>Reflection across the line y = 4</td>
<td></td>
<td>M’: ______ , N’: ______</td>
</tr>
<tr>
<td>Reflection across the line x = 1</td>
<td>R(–3, 3), S(–4, 5), T(0, 5), U(–1, 3)</td>
<td>R’: ______ , T’: ______</td>
</tr>
<tr>
<td>Reflection across the line x = 1</td>
<td></td>
<td>S’: ______ , U’: ______</td>
</tr>
<tr>
<td>Reflection across the line y = –x</td>
<td>T(0, 2), U(2, 2), V(3, 5), W(0, 4)</td>
<td>T’: ______ , V’: ______</td>
</tr>
<tr>
<td>Reflection across the line y = –x</td>
<td></td>
<td>W’: ______</td>
</tr>
<tr>
<td>Reflection across the line y = 1</td>
<td>P(–4, 5), Q(–4, 3), R(–1, 3), S(–1, 5)</td>
<td>P’: ______ , Q’: ______</td>
</tr>
<tr>
<td>Reflection across the line y = 1</td>
<td></td>
<td>R’: ______ , S’: ______</td>
</tr>
<tr>
<td>Reflection across the line x = –5</td>
<td>C(–8, –2), D(–7, –4), E(–6, –2), F(–5, –4)</td>
<td>C’: ______ , D’: ______</td>
</tr>
<tr>
<td>Reflection across the line x = –5</td>
<td></td>
<td>E’: ______ , F’: ______</td>
</tr>
</tbody>
</table>
### Write the New Coordinates

Write the coordinates obtained after the given reflection.

1) \(K(1, 1), L(1, 3), M(3, 3), N(3, 1)\)
   - Reflection across the line \(y = 4\)
   - \(K'\): (1, 7), \(L'\): (1, 5)
   - \(M'\): (3, 5), \(N'\): (3, 7)

2) \(F(-1, 1), G(1, 2), H(-1, 4)\)
   - Reflection across the \(x\)-axis
   - \(F'\): (-1, -1), \(G'\): (1, -2)
   - \(H'\): (-1, -4)

3) \(R(-3, 3), S(-4, 5), T(0, 5), U(-1, 3)\)
   - Reflection across the line \(x = -3\)
   - \(R'\): (-3, 3), \(S'\): (-4, 5), \(T'\): (-6, 5), \(U'\): (-1, 3)

4) \(A(2, -1), B(4, -2), C(5, -4), D(3, -3)\)
   - Reflection across the line \(x = 1\)
   - \(A'\): (2, -1), \(B'\): (4, -2), \(C'\): (5, -4), \(D'\): (3, -3)

5) \(T(0, 2), U(2, 2), V(3, 5), W(0, 4)\)
   - Reflection across the line \(x = 2\)
   - \(T'\): (0, 2), \(U'\): (2, 2), \(V'\): (3, 5), \(W'\): (0, 4)
   - \(K'\): (-3, 4), \(M'\): (3, 5), \(L'\): (3, 7), \(N'\): (3, 1)

6) \(J(2, 5), K(4, 3), L(5, 6)\)
   - Reflection across the line \(y = -x\)
   - \(J'\): (2, 5), \(K'\): (4, 3), \(L'\): (5, 6)
   - \(T'\): (-6, 5), \(V'\): (1, 5)

7) \(P(-4, 5), Q(-4, 3), R(-1, 3), S(-1, 5)\)
   - Reflection across the line \(y = 1\)
   - \(P'\): (-4, -3), \(Q'\): (-4, -1)
   - \(R'\): (-1, -1), \(S'\): (-1, -3)

8) \(C(-8, -2), D(-7, -4), E(-6, -2), F(-5, -4)\)
   - Reflection across the line \(x = -5\)
   - \(C'\): (-2, -2), \(D'\): (-3, -4)
   - \(E'\): (-4, -2), \(F'\): (-5, -4)