### Pair of Angles

1) Match the complementary and supplementary angles.

<table>
<thead>
<tr>
<th>a</th>
<th>b</th>
<th>c</th>
<th>d</th>
<th>e</th>
<th>f</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Supplement of 166°</td>
<td>72°</td>
<td>72°</td>
<td>140°</td>
<td>140°</td>
<td>21°</td>
</tr>
<tr>
<td>b) Complement of 54°</td>
<td>36°</td>
<td>36°</td>
<td>126°</td>
<td>126°</td>
<td>71°</td>
</tr>
<tr>
<td>c) Supplement of 118°</td>
<td>62°</td>
<td>62°</td>
<td>116°</td>
<td>116°</td>
<td>139°</td>
</tr>
<tr>
<td>d) Complement of 88°</td>
<td>4°</td>
<td>4°</td>
<td>102°</td>
<td>102°</td>
<td>141°</td>
</tr>
<tr>
<td>e) Complement of 100°</td>
<td>30°</td>
<td>30°</td>
<td>80°</td>
<td>80°</td>
<td>90°</td>
</tr>
<tr>
<td>f) Complement of 166°</td>
<td>14°</td>
<td>14°</td>
<td>22°</td>
<td>22°</td>
<td>19°</td>
</tr>
</tbody>
</table>

2) Find the complement and supplement of each angle.

<table>
<thead>
<tr>
<th>a)</th>
<th>b)</th>
<th>c)</th>
<th>d)</th>
<th>e)</th>
<th>f)</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) 9°</td>
<td>Complement of 9° = 81°</td>
<td>54°</td>
<td>Complement of 54° = 36°</td>
<td>22°</td>
<td>Complement of 22° = 68°</td>
</tr>
<tr>
<td>b) 72°</td>
<td>Supplement of 72° = 108°</td>
<td>14°</td>
<td>Supplement of 14° = 166°</td>
<td>46°</td>
<td>Supplement of 46° = 134°</td>
</tr>
<tr>
<td>c) 22°</td>
<td>Complement of 22° = 68°</td>
<td>14°</td>
<td>Supplement of 14° = 166°</td>
<td>46°</td>
<td>Supplement of 46° = 134°</td>
</tr>
<tr>
<td>d) 46°</td>
<td>Complement of 46° = 44°</td>
<td>14°</td>
<td>Supplement of 14° = 166°</td>
<td>46°</td>
<td>Supplement of 46° = 134°</td>
</tr>
<tr>
<td>e) 85°</td>
<td>Complement of 85° = 5°</td>
<td>14°</td>
<td>Supplement of 14° = 166°</td>
<td>46°</td>
<td>Supplement of 46° = 134°</td>
</tr>
<tr>
<td>f) 19°</td>
<td>Complement of 19° = 71°</td>
<td>14°</td>
<td>Supplement of 14° = 166°</td>
<td>46°</td>
<td>Supplement of 46° = 134°</td>
</tr>
</tbody>
</table>
1) Match the complementary and supplementary angles.

a) Supplement of 166°
   Complement of 166° = 18°
   Supplement of 72° = 108°

b) Complement of 54°
   Complement of 54° = 36°
   Supplement of 14° = 106°

c) Supplement of 108°
   Complement of 108° = 72°
   Supplement of 40° = 140°

d) Supplement of 140°
   Complement of 140° = 40°
   Supplement of 69° = 111°

e) Complement of 21°
   Complement of 21° = 69°
   Supplement of 36° = 144°

2) Find the complement and supplement of each angle.

a) 9°
   Complement of 9° = 81°
   Supplement of 9° = 21°

b) 72°
   Complement of 72° = 18°
   Supplement of 171° = 108°

c) 22°
   Complement of 22° = 68°
   Supplement of 22° = 158°

d) 46°
   Complement of 46° = 44°
   Supplement of 46° = 134°

e) 85°
   Complement of 85° = 5°
   Supplement of 85° = 95°

f) 19°
   Complement of 19° = 71°
   Supplement of 19° = 161°