A) Complete the table.

<table>
<thead>
<tr>
<th>Points</th>
<th>Scale Factor</th>
<th>Dilated Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>G(–3, –4) ; H(–2, –1)</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>B'(3, 21) ; C'(-15, 18)</td>
</tr>
<tr>
<td>V(-12, 6) ; W(4, –18)</td>
<td></td>
<td>V'(-6, 3) ; W'(2, –9)</td>
</tr>
<tr>
<td>F(5, –7) ; G(–8, –9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M(–3, –4) ; H(–2, –1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S'(–15, 21) ; T'(18, 24)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B'(3, 21) ; C'(–15, 18)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M'(1, 5) ; N'(4, 2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>K'(–4, –1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>L'(–6, 2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N'(–2, 2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>K'(-4, –1)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1) B(7, 5), C(2, 8), D(1, 3) and E(4, 5) are dilated with a scale factor of 0.8. Find the new coordinates.

2) If T(–1, 2), U(–2, 3) and V(–3, 1) are dilated to T'(–8, 16), U'(–16, 24) and V'(–24, 8), determine the scale factor.

3) Kite KLMN is dilated to K'L'M'N' with a scale factor of \( \frac{1}{4} \). What will be the coordinates of the original image?
A) Complete the table.

<table>
<thead>
<tr>
<th>Points</th>
<th>Scale Factor</th>
<th>Dilated Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) G(–3, –4) ; H(–2, –1)</td>
<td>6</td>
<td>G'(–18, –24) ; H'(–12, –6)</td>
</tr>
<tr>
<td>2) B(1, 7) ; C(–5, 6)</td>
<td>3</td>
<td>B'(3, 21) ; C'(–15, 18)</td>
</tr>
<tr>
<td>3) V(–12, 6) ; W(4, –18)</td>
<td>0.5</td>
<td>V'(–6, 3) ; W'(2, –9)</td>
</tr>
<tr>
<td>4) F(5, –2) ; G(–3, 4)</td>
<td></td>
<td>F'(2, –2.8) ; G'(–3.2, –3.6)</td>
</tr>
<tr>
<td>5) S(–3, 2) ; T(1, 3)</td>
<td></td>
<td>S'(–15, 21) ; T'(18, 24)</td>
</tr>
<tr>
<td>6) M(4, 2) ; N(16, 8)</td>
<td></td>
<td>M'(1, 5) ; N'(4, 2)</td>
</tr>
</tbody>
</table>

1) B(7, 5), C(2, 8), D(1, 3) and E(4, 5) are dilated with a scale factor of 0.8. Find the new coordinates.

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K(–16, –4), L(–24, 8), M(–16, 16), N(–8, 8)