### Using Cow Herd Performance Test Information for Culling and Selection

#### Cow Performance

<table>
<thead>
<tr>
<th>ID</th>
<th>Birth Date</th>
<th>Weight 09/06/02</th>
<th>Frame Size</th>
<th>Body Condition Score</th>
<th>ID</th>
<th>Sex</th>
<th>WW</th>
<th>Adj. 205-d WW</th>
<th>Frame Size</th>
<th>Muscle Score</th>
<th>Cow Efficiency</th>
<th>MPPA</th>
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<tbody>
<tr>
<td>38A</td>
<td>10/10/97</td>
<td>1340</td>
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<td>7.0</td>
<td>221B</td>
<td>H</td>
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<td>446</td>
<td>5.4</td>
<td>2</td>
<td>33.4</td>
<td>90.7</td>
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<td>07/03/98</td>
<td>1335</td>
<td>6.4</td>
<td>5.0</td>
<td>233B</td>
<td>H</td>
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<td>6.4</td>
<td>1</td>
<td>42.5</td>
<td>106.4</td>
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<tr>
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<td>06/30/98</td>
<td>1025</td>
<td>5.7</td>
<td>5.0</td>
<td>216B</td>
<td>S</td>
<td>405</td>
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<td>05/10/99</td>
<td>985</td>
<td>5.7</td>
<td>4.0</td>
<td>230C</td>
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<td>53.3</td>
<td>103.2</td>
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<td>Herd Average</td>
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<td>505</td>
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<td>46.3</td>
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</table>

#### Based on Cow Herd Performance Test Results …

(Circle your answers)

1. Based on the adjusted 205-d WW, which cow produced the heaviest calf at weaning?
   - 38A
   - 65A
   - 67A
   - 67B

2. Which calf is the smallest frame size?
   - 221B
   - 233B
   - 216B
   - 230C

3. Based on cow efficiency, which heifer would be the most desirable to be kept as a replacement?
   - 221B
   - 233B
   - 216B
   - 230C

(Calculations)

4. A heifer must reach 65% of her expected mature weight to begin cycling. If heifer #233B was selected as a replacement, how much would she need to weigh to begin cycling if her expected mature weight was 1300 lbs.?

5. Based on the answer to question #4, how much weight would heifer #233B need to gain from weaning to breeding to be cycling by breeding time?