Answers to Worksheet 34 - Lesson 86

1) Common Difference: $d = -30$
   Next 3 terms: $-133, \ -163, \ -193$

2) Common Difference: $d = 7$
   Next 3 terms: $28, \ 35, \ 42$

3) Common Difference: $d = -\dfrac{1}{2}$

   Next 3 terms: $-\dfrac{5}{2}, \ -3, \ -\dfrac{7}{2}$

4) Not arithmetic

5) Common Difference: $d = -10$
   $a_{52} = -494$
   Explicit: $a_n = 26 - 10n$

6) Common Difference: $d = 8$
   $a_{52} = 391$
   Explicit: $a_n = -25 + 8n$

7) Not arithmetic

8) Common Difference: $d = -\dfrac{1}{2}$

   $a_{52} = -\dfrac{41}{2}$

   Explicit: $a_n = \dfrac{11}{2} - \dfrac{1}{2}n$

9) Common Difference: $d = 0.7$
   $a_{52} = 29$
   Explicit: $a_n = -6.7 + (n - 1) \cdot 0.7$

10) Common Difference: $d = -200$
    $a_{52} = -10190$
    Explicit: $a_n = 10 + (n - 1) \cdot -200$

11) -6

12) $-13, \ -19$