

**4.2 Part 1 (Arithmetic Sequences)**

Name \_\_\_\_\_ Period \_\_\_\_\_

**Determine the common difference for each arithmetic sequence.**

1) 10, 3, -4, -11, ...

2)  $\frac{1}{3}, \frac{2}{3}, 1, \frac{4}{3}, \dots$

3) 170, 240, 310, 380, ...

4) -28, -13, 2, 17

**Determine the common difference and the next 3 terms for each arithmetic sequence.**

5) 8, 14, 20, 26, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, ...

6) -24, -14, -4, 6, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, ...

7)  $\frac{3}{5}, \frac{4}{5}, 1, \frac{6}{5},$  \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, ...

8) 20, 11, 2, -7, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, ...

9) 12, 16.5, 21, 25.5, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, ...

10) 24.5, 20.7, 16.9, 13.1, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, ...