

### Arithmetic Sequence Worksheet

1. Identify the arithmetic sequences from the following sequences. For each arithmetic sequence, provide a rule.
  - a) { 3, 0, -3, -6, -9 . . . }
  - b) { 8.3, 4.3, 0.3, -3, -3.7 . . . }
  - c) { 2, 4, 8, 16, 32 . . . }
  - d) { 16, 32, 48, 64, 80 . . . }
  - e) { -4, -7, -10, -13, 16 . . . }
2. Provide a sequence of the first 6 terms following the function:  $a_n = -2n + 3$
3. In your own words, describe the different ways of identifying that { 2, 5, 8, 11 ... } represents an arithmetic pattern.