

Name : \_\_\_\_\_

## First Term & Common Difference

Sheet 1

Write the first term(a) and the common difference(d) of each arithmetic sequence.

1)  $-190, -290, -390, -490, -590, \dots$

$a = \underline{\hspace{2cm}}$  ;  $d = \underline{\hspace{2cm}}$

2)  $-\frac{7}{6}, \frac{1}{3}, \frac{11}{6}, \frac{10}{3}, \frac{29}{6}, \dots$

$a = \underline{\hspace{2cm}}$  ;  $d = \underline{\hspace{2cm}}$

3)  $77, 105, 133, 161, 189, \dots$

$a = \underline{\hspace{2cm}}$  ;  $d = \underline{\hspace{2cm}}$

4)  $\sqrt{3}, \sqrt{27}, \sqrt{75}, \sqrt{147}, \sqrt{243}, \dots$

$a = \underline{\hspace{2cm}}$  ;  $d = \underline{\hspace{2cm}}$

5)  $\frac{5}{3}, \frac{13}{24}, -\frac{7}{12}, -\frac{41}{24}, -\frac{17}{6}, \dots$

$a = \underline{\hspace{2cm}}$  ;  $d = \underline{\hspace{2cm}}$

6)  $101, 42, -17, -76, -135, \dots$

$a = \underline{\hspace{2cm}}$  ;  $d = \underline{\hspace{2cm}}$

7)  $20.5, 12.4, 4.3, -3.8, -11.9, \dots$

$a = \underline{\hspace{2cm}}$  ;  $d = \underline{\hspace{2cm}}$

8)  $1, 5, 9, 13, 17, \dots$

$a = \underline{\hspace{2cm}}$  ;  $d = \underline{\hspace{2cm}}$

9)  $-10.2, -7.2, -4.2, -1.2, 1.8, \dots$

$a = \underline{\hspace{2cm}}$  ;  $d = \underline{\hspace{2cm}}$

10)  $-44, -25, -6, 13, 32, \dots$

$a = \underline{\hspace{2cm}}$  ;  $d = \underline{\hspace{2cm}}$