

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

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

First Term & Common Difference

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

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

a = **-190** ; d = **-100**

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

a = **$-\frac{7}{6}$** ; d = **$\frac{3}{2}$**

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

a = **77** ; d = **28**

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

a = **$\sqrt{3}$** ; d = **$2\sqrt{3}$**

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

a = **$\frac{5}{3}$** ; d = **$-\frac{9}{8}$**

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

a = **101** ; d = **-59**

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

a = **20.5** ; d = **-8.1**

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

a = **1** ; d = **4**

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

a = **-10.2** ; d = **3**

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

a = **-44** ; d = **19**