

First Term & Common Difference of an Arithmetic Sequence

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

1) $10.7, 4.7, -1.3, -7.3, -13.3, \dots$

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

2) $119, 49, -21, -91, -161, \dots$

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

3) $-\frac{7}{5}, -\frac{13}{20}, \frac{1}{10}, \frac{17}{20}, \frac{8}{5}, \dots$

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

4) $499, 507, 515, 523, 531, \dots$

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

5) $-8, -13, -18, -23, -28, \dots$

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

6) $2\sqrt{5}, 4\sqrt{5}, 6\sqrt{5}, 8\sqrt{5}, 10\sqrt{5}, \dots$

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

7) $7, 14.5, 22, 29.5, 37, \dots$

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

8) $-2.7, -2.1, -1.5, -0.9, -0.3, \dots$

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

9) $-43, -24, -5, 14, 33, \dots$

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

10) $\frac{13}{4}, \frac{25}{8}, 3, \frac{23}{8}, \frac{11}{4}, \dots$

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