Name : _____

Finding n^{th} Term

Sheet 1

1) Given the arithmetic progression 5.2, 7.4, 9.6, 11.8, 14, ... find the 12^{th} term.

_____

2) Find the 15^{th} term of the sequence $-19\sqrt{6}$, $-15\sqrt{6}$, $-11\sqrt{6}$, $-7\sqrt{6}$, $-3\sqrt{6}$, ...

_____

3) Calculate the 32^{nd} term in the arithmetic progression –12, –14, –16, –18, –20, ...

_____

4) Given the arithmetic sequence $-\frac{19}{2}, -\frac{59}{6}, -\frac{61}{6}, -\frac{21}{2}, -\frac{65}{6}, \cdots$ find the 19^{th} term.

_____

5) Determine the 25^{th} term in the arithmetic progression –40, –10, 20, 50, 80, ...

_____

Name : _____ **Answer key**

Finding n^{th} Term

Sheet 1

1) Given the arithmetic progression 5.2, 7.4, 9.6, 11.8, 14, ... find the 12^{th} term.

29.4

2) Find the 15^{th} term of the sequence $-19\sqrt{6}$, $-15\sqrt{6}$, $-11\sqrt{6}$, $-7\sqrt{6}$, $-3\sqrt{6}$, ...

$37\sqrt{6}$

3) Calculate the 32^{nd} term in the arithmetic progression –12, –14, –16, –18, –20, ...

–74

4) Given the arithmetic sequence $-\frac{19}{2}, -\frac{59}{6}, -\frac{61}{6}, -\frac{21}{2}, -\frac{65}{6}, \cdots$ find the 19^{th} term.

$-\frac{31}{2}$

5) Determine the 25^{th} term in the arithmetic progression –40, –10, 20, 50, 80, ...

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