Arithmetic Progression

1.In an Arithmetic Progression, if a=28, d= - 4, n=7, then a_n is:

(a)4

(b)5

(c)3

(d)7

2.If a=6 and d=10, then first THREEterms will be:

(a)10,30,50

(b)6,16,26

(c)16,26,28

(d)10,18,20,30

3.The first term and common difference for the A.P. 4,2,0,-2,-4 is:

(a)1 and 3

(b)-1 and 3

(c) 4and -2

(d) 4 and 2 -2

4. 20th term of the A.P: 10,7, 4, …, is

(a)-97

(b)-47

(c)-77

(d)-87.

5. Which term of the A.P. 3, 8, 13, 18, … is 78?

(a)12th

(b)13th

(c)15th

(d)16th

6.The common difference of AP whose first two terms are -3 and 4 is:

(a)17

(b)7

(c)-7

(d)1

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7. In an AP, if d = –4, n = 7, an = 14, then a is
(A) 10

(B) 27

(C) 30

(D) 38

8. The first four terms of an AP, whose first term is –2 and the common difference is -3 are

(a) -2,-4,-6,-8

(b)-2,-5,-8,-11

(c) -2,-2,-2,-2

(d) 2,5,8,11

9. If the numbers n – 1, n+3and 3n -2 are in AP, then the value of n is

(a)1

(b)2

(c)3

(d)4

10. Is 68 a term of AP 7,10,13…..?

(a)YES

(b)NO

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