



## Chapter 5: Arithmetic progression

Mathematics Worksheet

Standard: 10th

Subject: Mathematics

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

**Q1.** If the first term of an A.P. is  $a$  and  $n$ th term is  $b$ , then its common difference is:

1.  $\frac{b-a}{n-1}$
2.  $\frac{b-a}{n}$
3.  $\frac{b+a}{n-1}$
4.  $\frac{b+a}{n-1}$

**Q2.** The 8<sup>th</sup> term of an AP is 17 and its 14<sup>th</sup> term is 29. The common difference of the AP is:

1. 3
2. 2
3. 5
4. -2

**Q3.** Choose the correct answer from the given four options:

If the 2<sup>nd</sup> term of an AP is 13 and the 5<sup>th</sup> term is 25, what is its 7<sup>th</sup> term?

1. 30
2. 33
3. 37
4. 38

**Q4.** The first term of an A.P. if its  $S_n = n^2 + 2n$  is:

1. 3
2. 0
3. 1
4. 2

**Q5.** The sum of the first 20 terms of the A.P. 10, 6, 2, ... is:

1. -480
2. -500



# Difficult Statement Problems Arithmetic Progression Questions

**Judd E. Hollander**



**Difficult Statement Problems Arithmetic Progression Questions:**

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web the aim of this is to introduce and motivate partial differential equations pde the section also places the scope of studies in apm346 within the vast universe of mathematics a partial differential equation pde is an gather involving partial derivatives this is not so informative so let s break it down a bit 1 1 1 what is a differential