



## Class 10 Mathematics – Arithmetic Progressions Worksheet (Advanced 3)

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

Date: \_\_\_\_\_

**Q1.** Find the AP whose 3rd term is 16 and 7th term exceeds 5th term by 12.

**Answer:** AP: 10,13,16,19...

**Q2.** Find which term of AP: 21,18,15... is -81.

**Answer:** 35th term.

**Q3.** Find sum of first 22 terms of AP: 8,3,-2...

**Answer:** -979.

**Q4.** Find number of rows if rose plants are 23,21,19...5.

**Answer:** 10 rows.

**Q5.** Find 11th term from last of AP: 10,7,4...-62.

**Answer:** -32.

**Q6.** Find nth term formula of AP: 5,11,17...

**Answer:**  $a_n = 5 + (n-1) \times 6$