ARITHMETIC PROGRESSIONS

1. What's the difference in an arithmetic progression wich first term is 1 and the third term is – 17.

$$= \quad + \quad \cdot d$$

$$d =$$

2. What's the difference of an arithmetic progression where 5th term is -60 and 11th ter mis 60

$$= \quad + \quad \cdot d$$

$$d =$$

3. Write down the general term of an arithmetic progression with 1st term -1 is and the difference is 4.

$$a_n = \quad + (n-1) \cdot$$

$$a_n =$$

4. Which is the position of 87 in the previous progression.

$$87 =$$

$$n =$$

5. Find out the sum of the first 20 terms of an arithmetic progression with general term an = 3n + 5

$$S \quad = \frac{(\qquad + \qquad) \cdot}{\qquad\qquad}$$

$$S \quad =$$