1. Find a formula for the  $n^{th}$  term. [There is no space before or after the sign.]

a. 2, 5, 10, 17, ...

nth term =

b. 11,14, 19, 26, ...

nth term =

c. -1, 2, 7, 14, ...

 $n^{\text{th}}$  term =

d. -7, -4, 1, 8, ...

- nth term =
- e.  $\frac{1}{3}$ ,  $\frac{2}{5}$ ,  $\frac{3}{7}$ ,  $\frac{4}{9}$ ,...
- nth term =
- f.  $\frac{5}{1}$ ,  $\frac{5}{4}$ ,  $\frac{5}{9}$ ,  $\frac{5}{16}$ ,...
- nth term =
- $\frac{3}{1}$ ,  $\frac{4}{2}$ ,  $\frac{5}{3}$ ,  $\frac{6}{4}$ ,...
- nth term =

2. Given that

Sequence S = 1, 4, 9, 16...

Sequence T = 5, 9, 13, 17, ...

Sequence R = 4, 5, 4, 1...

a. Find the next two terms of sequence S and T

b. Find the term that has value 81 in sequence T.

c. Find the  $n^{th}$  term for sequence S and T.

S: \_\_\_\_\_

*T*:

d. Find the  $n^{th}$  term for sequence R.

R:

**#LIVEWORKSHEETS**