1.- Find out the general term and a_{10} in a geometric progression with $a_2 = 2$ and $a_4 = \frac{1}{2}$

$a_4 = a_2 \cdot r^2$

$____ =$ $\cdot$ ^{2}

$r^2 = \pm\sqrt{____} = \pm ____$

$= a_1 \cdot ____ \Rightarrow a_1 =$

$a_n =$ $\cdot$ $\left(____\right)$

$a_{10} =$ $\cdot$ $\left(____\right) = ____$

2.- Find the sum of the first 10 terms of the following progression:

$$2; 3; 4,5; 6,75; 10,125; \ldots$$

r = $____$ =

$$S_{10} = \frac{\cdot (\quad - \quad 1)}{- \quad 1} =$$

3.- Calculate :

$$1 + \frac{1}{2} + \frac{1}{4} + \frac{1}{8} + \ldots = S_\infty = \frac{}{1 \quad -} =$$

LIVEWORKSHEETS