Geometric Sequences ~ 1.3 RECALL: ARITHMETIC Sequences: tn=t,+ (n-1)d) t common difference 1st term trust me term we are on General: tn = 3n+8 (puttle Geometric: mult by 4 common Patio 3,6,12,24,... t, = 3 t,=3 ta=3.2'=6 r=2 t3 = 3.2° = 12 ty = 3.23 = 24 +30 = 3.229 tn = t, . r 1-1 Geometric Sequenus So: - common Ratio term we want term

Ex: 10,20,40,80,	$t_n = t_i \cdot r^{n-1}$
$t_1 = 10$ (a) $t_1 = 10 \cdot 2$	ID
= 10 · 10	24 = 10240
(+) General	term. En
mean	term, the s put in the and r, leave n as n
ty= b1. rh-1	
$t_n = 10 \cdot 2^{n-1}$	

Find:
$$t_1, t_2, t_3$$
 $t_1 = -1458$

And r

The standard of the standard

If
$$t_{i=1}$$
 and t_{i} and t_{i} find r

$$t_{i} = t_{i} \cdot r^{n-1}$$

$$t_{i} = t_{i} \cdot r^{n-1}$$