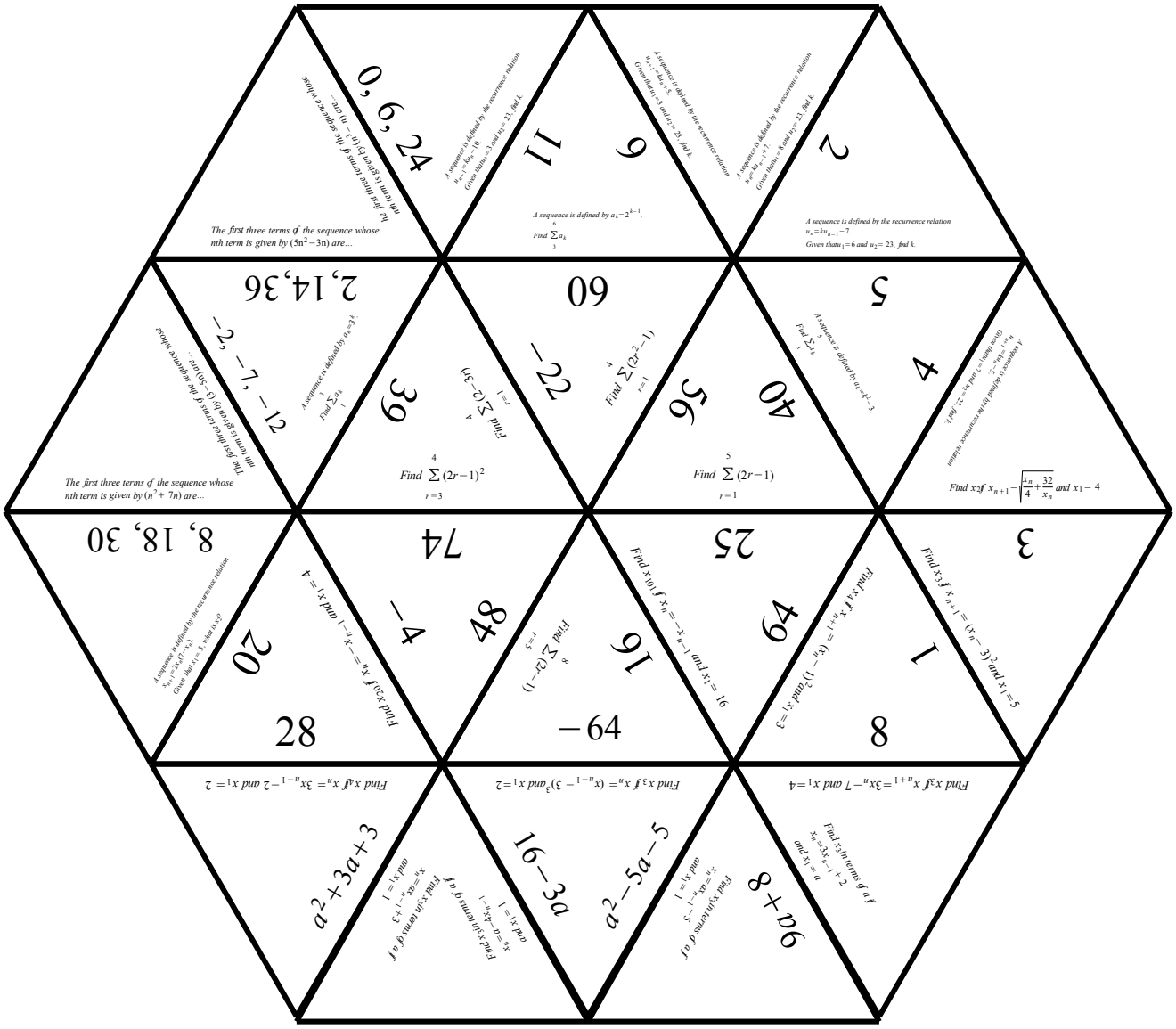
0, 6, 24
The first three terms of the sequence whose nth term is given by $(5n^2-3n)$ are...
11
A sequence is defined by the recurrence relation $u_{n+1}=ku_n+5$. Given that $u_1=3$ and $u_2=23$, find k.
6
A sequence is defined by $a_k=2^{k-1}$. Find $\sum_1^6 a_k$
2
A sequence is defined by the recurrence relation $u_n=ku_{n-1}-7$. Given that $u_1=6$ and $u_2=23$, find k.
2, 14, 36
The first three terms of the sequence whose nth term is given by (n^2+7n) are...
$-12, -7, -2, \ldots$
The first three terms of the sequence whose nth term is $\beta(n+5)(n-1)$...
A sequence is defined by $a_1=3$. Find $\sum_1^3 a_n$
39
Find $\sum_{r=3}^{4}(2r-1)^2$
-22
Find $\sum_{r=1}^{4}(2r^2-1)$
60
Find $\sum_{r=1}^{5}(2r-3)$
56
Find $\sum_{r=1}^{5}(2r-1)$
40
A sequence is defined by $u_n=n^2-3$. Find $\sum_1^5 u_n$
5
A sequence is defined by $u_{n+1}=u_n-3$ and $u_1=21$. Find k given that $\sum_1^k u_n=-33$
4
Find x_2 if $x_{n+1}=\sqrt{\frac{x_n}{4}+\frac{32}{x_n}}$ and $x_1=4$
8, 18, 30
A sequence is defined by the recurrence relation $x_{n+1}=2x_n(7-2x_n)$. Given that $x_1=5$, what is x_2?
20
28
Find x_{20} if $x_n=-x_{n-1}$ and $x_1=4$
-4
74
48
Find $\sum_{r=5}^{8}(2-1)$
16
-64
Find x_{101} if $x_n=-x_{n-1}$ and $x_1=16$
25
64
Find x_4 if $x_{n+1}=(x_n-1)^2$ and $x_1=3$
1
8
Find x_5 if $x_{n+1}=(x_n-3)^3$ and $x_1=5$
3
Find x_3 if $x_n=(x_{n-1}-3)^3$ and $x_1=2$
Find x_4 if $x_n=3x_{n-1}-2$ and $x_1=2$
Find x_2 if $x_{n+1}=3x_n-7$ and $x_1=4$
a^2+3a+3
Find x_3 in terms of a if $x_n=3x_{n-1}+3$ and $x_1=1$
$16-3a$
Find x_3 in terms of a if $x_n=ax_{n-1}$ and $x_1=1$
a^2-5a-5
Find x_3 in terms of a if $x_n=ax_{n-1}-5$ and $x_1=1$
$9a+8$
Find x_3 in terms of a if $x_n=3x_{n-1}+2$ and $x_1=a$