3U Unit 6 Review Stations

Station	Answer(s)
A	1. $\frac{17}{3}$ 2. -74 3.a. $81, -243$ b. $-19, -28$
B	1.a. $t_n = -21 \cdot 8^{n-1}$ b. $t_n = -3n + 15$ 2.a. 8 b. 10 3. $t_1 = 3,\ t_n = -2t_{n-1}$
C	1.a. 18 b. 12 c. $\binom{17}{14} = 680$ 2. binomial coefficients can be obtained as each row gives combinatorial #'s. 3. $2^{13} = 8192$ ∴ 13 rows
D	1. $S_{24} = 546$ 2. $t_n = 2^{-n+13}$
E	1. $n = 8$ 2. $t_{25} = 79$
F	1. 55 2. 105, 455, 1365
G	1. 58 2. Option 1) $10737418.23 ← better Option 2) $300
H	1. $1959552^{\sqrt[4]{x^{15}}}$ 2. 29, 5