

- 19 Use the formula $A_n = A_0 e^{rn}$ with $A_0 = 500$ and $r = 0.072$. Then, $A_n = 500e^{0.072n}$. Table $Y_1 = 500e^{(0.072X)}$ starting at $x = 1$, incrementing by 1 until $x = 7$. See *Figure 19*.

X	Y1
1	537.33
2	577.44
3	620.55
4	666.88
5	716.66
6	770.17
7	827.66

$Y_1 = 500e^{(.072X)}$

Figure 19