WARM UP!

Ashley's grandfather decides to start a fund for her college educaon. He makes an inial contribuon of \$3000 and each month deposits an addional \$500. Aer one month he will have contributed \$3500.

a. Write a funcon for the *n*th term of the

f(n) = 3000 + (n-1)500 f(n) = 3000 + (n-1)500 f(n) = 3000 + (n-1)500

b. How much money will Ashley's grandfather have contributed aer 24 months?

F(n)=2500+500n

f(24) = 3000 + 7000 = 3000 + 7000 = 15000 - 5000 = 145000 - 5000 = 145000 - 5000 = 145000 - 5000 = 145000 - 5000 = 145000 - 5000 = 145000 - 5000 = 145000 - 5000 = 145000 - 5000 = 145000 - 5000 = 145000 - 5000 = 145000 - 5000 = 145000 - 5000