Date:

Your parents begin your weekly allowance at \$3.00 the first week of the year. They agree to increase your allowance by \$1.00 every week for the remainder of the year.

1. Write a recursive formula to compute your allowance for each week.

a. 6th week of the year.

b. 27th week of the year.

c. 33rd week of the year.

4. Compute the total allowance you received during the year up to and including the:

a. 19th week of the year.

$$S_{19} = \frac{19}{2}(3+21) = (4228)$$

b. 41st week of the year.

c. 52nd week of the year.