

Station 2 Work

1. plug 1 in see if = 1
 plug 2 in see if = $\frac{1}{4}$
 etc...

A: $a_1 =$ can't do as need previous term.
 C: $a_1 = \frac{1}{4}$ nope!

D: $a_1 = 1$
 $a_2 = \frac{2}{1} = \frac{1}{4}$
 $a_3 = \frac{3}{\frac{1}{4}} = \frac{1}{9}$ yep

(D)

2. decreasing by 7

Method 1
 $d = -7$
 $a_n = 5 + (n-1)(-7)$
 $a_{50} = 5 + (50-1)(-7)$
 $a_{50} = -338$

Method 2
 use calc & sub 7 until get to both term

(C)

3. cannot be D as topic is 44 - need to be 14. also not B
 plug 1 in to see if you get 49, 2 in to get 54, etc...
 A: $a_1 = 54$ nope
 C: $a_1 = 49$ $a_2 = 54$ yep

4. $13 + 12(15) = 13 + 180 = 193$
 (A)

5. add 2 so next term is 18 get rid of B & D
 add 2 so get rid of C
 (A)