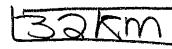
Review for Quiz Unit 5

- A recovering heart attack patient is told to get on a regular walking program. The patient is told to walk a distance of 5 km the first week, 8 km the second week, 11 km the third week and so on for a period of 10 weeks. At that point the patient is to maintain the distance walked during the 10th week.

a. Write an explicit formula for this arithmetic sequence.		
01=5	an=	a1 + d(n-1)
d=3	an =	5+3(n-1)
	an =	5+3n-3
	The state of the s	

b. How far will the patient walk during the 10th week

V	
010=3	6+ (01)
010	



- Consider a sequence that follows -19, -16, -13, -10,
 - a. Write the recursive formula.
 - b. Write the explicit formula.

$$a_1 = -19$$

$$d = 3$$

c. Find the 60th term.

$$an = a_1 + d(n-1)$$

 $an = -19 + 3(n-1)$
 $an = +3n=3$

