SEQUENCES

A NUMERICAL SEQUENCE

A.1 FINDING NEXT TERM IN ARITHMETIC SEQUENCE

Ex 1: What is the 6th term of this sequence?

n	1	2	3	4	5	6
n^{th} term	3	5	7	9	11	

Ex 2: What is the 6th term of this sequence?

n	1	2	3	4	5	6
n^{th} term	3	8	13	18	23	

Ex 3: What is the 5th term of this sequence?

n	1	2	3	4	5
n^{th} term	20	18	16	14	

Ex 4: What is the 6th term of this sequence?

n	1	2	3	4	5	6
n^{th} term	80	70	60	50	40	

A.2 FINDING A TERM IN ARITHMETIC SEQUENCE

Ex 5: What is the 6th term of this sequence?

n	1	2	3	4	...	6
n^{th} term	3	5	7	9	...	

Ex 6: What is the 5th term of this sequence?

n	1	2	3	...	5
n^{th} term	15	12	9	...	

Ex 7: What is the 6th term of this sequence?

n	1	2	3	4	...	6
n^{th} term	7	11	15	19	...	

Ex 8: What is the 5th term of this sequence?

n	1	2	3	...	5
n^{th} term	50	44	38	...	

A.3 FINDING NEXT TERM IN GEOMETRIC SEQUENCE

Ex 9: What is the 6th term of this sequence?

n	1	2	3	4	5	6
n^{th} term	2	4	8	16	32	

Ex 10: What is the 5th term of this sequence?

n	1	2	3	4	5
n^{th} term	1	3	9	27	

Ex 11: What is the 6th term of this sequence?

n	1	2	3	4	5	6
n^{th} term	64	32	16	8	4	

Ex 12: What is the 5th term of this sequence?

n	1	2	3	4	5
n^{th} term	243	81	27	9	

Ex 13: What is the 6th term of this sequence?

n	1	2	3	4	5	6
n^{th} term	3	6	12	24	48	