

Name _____ Date _____

Given this sequence: 14, 17, 20, 23, 26 . . .

What is the 20th term in this sequence?

Given this sequence: 2, 12, 22, 32, 42 . . .

What is the 42nd term in this sequence?

Given this sequence: 16, 28, 40, 52, 64 . . .

What is the 50th term in this sequence?

Given this sequence: 13, 15, 17, 19, 21 . . .

What is the 33rd term in this sequence?

Given this sequence: 8, 16, 24, 32, 40 . . .

What is the 42nd term in this sequence?

Answer Key

Given this sequence: 14, 17, 20, 23, 26 . . .

What is the 20th term in this sequence?

$$a_{20} = 14 + (20 - 1)3$$

$$a_{20} = 71$$

Given this sequence: 2, 12, 22, 32, 42 . . .

What is the 42nd term in this sequence?

$$a_{42} = 2 + (42 - 1)10$$

$$a_{42} = 412$$

Given this sequence: 16, 28, 40, 52, 64 . . .

What is the 50th term in this sequence?

$$a_{50} = 16 + (50 - 1)12$$

$$a_{50} = 604$$

Given this sequence: 13, 15, 17, 19, 21 . . .

What is the 33rd term in this sequence?

$$a_{33} = 13 + (33 - 1)2$$

$$a_{33} = 77$$

Given this sequence: 8, 16, 24, 32, 40 . . .

What is the 42nd term in this sequence?

$$a_{42} = 8 + (42 - 1)8$$

$$a_{42} = 336$$