

3. Which linear equation represents the data in the accompanying table?

- 1) $d = 1.50c$
- 2) $d = 1.50c + 20.00$
- 3) $d = 20.00c + 1.50$
- 4) $d = 21.50c$

c	d
0	20.00
1	21.50
2	23.00
3	24.50

4. If the pattern below continues, which equation(s) is a recursive formula that represents the number of squares in this sequence?



- 1) $y = 2x + 1$
- 2) $y = 2x + 3$
- 3) $a_1 = 3$
 $a_n = a_{n-1} + 2$
- 4) $a_1 = 1$
 $a_n = a_{n-1} + 2$

5. For the sequence $-27, -12, 3, 18, \dots$, the expression that defines the n th term where $a_1 = -27$ is

- 1) $15 - 27n$
- 2) $15 - 27(n - 1)$
- 3) $-27 + 15n$
- 4) $-27 + 15(n - 1)$

6. Which function defines the sequence $-6, -10, -14, -18, \dots$, where $f(6) = -26$?

- 1) $f(x) = -4x - 2$
- 2) $f(x) = 4x - 2$
- 3) $f(x) = -x + 32$
- 4) $f(x) = x - 26$