

$$4) \quad 1, -4, -9, -14, -19, -24$$

$$12) \quad a_1 = 54$$
$$a_n = a_{n-1} - 11$$

$$14) \quad a_1 = 4$$
$$a_n = -3 \cdot a_{n-1}$$

$$32) \quad a_1 = 4$$
$$a_n = a_{n-1} - 5$$

$$34) \quad a_1 = -7$$
$$a_n = 6a_{n-1}$$

$$42) \quad a_n = 7n + 9$$

$$44) \quad a_n = 13(4)^{n-1}$$