Stevan Vlasic Zahitm

2the Mathe Hü am 21.04.22

Bsp's) 1,34) 1-3), 1.35b), 1.36c), 1.37b), 1,38)

134) 1)

$a_n = 4n + 3$ $\langle a_n \rangle = \langle 7, 11, 15, 19, 23, \ldots \rangle$

2) $a_n = 7 + (n-1) \cdot (-2)$ $\langle a_n \rangle = \langle 7, 5, 3, 1, -1, \ldots \rangle$

3) $a_{n+1} = a_n - 5$ $a_1 = 12$

$\langle a_{n+1} \rangle = \langle 12, 7, 2, -3, -8, \ldots \rangle$

135h)

$\langle a_n \rangle = \langle -19; -15; -11; \ldots \rangle$ es gilt $a_n = a_1 + (n-1) \cdot d$

$+4$ $+4$ $= d$ $d = (+4)$ $a_n = -19 + (n-1) \cdot (+4)$

$a_1 = -19$ $a_{n+1} = n + 4$

136c) $a_{22} = 8$

$d = 0{,}5$ $8 = a_1 + (22-1) \cdot 0{,}5$

$\langle a_n \rangle = \langle -2{,}5; -2; -1{,}5; -1; -0{,}5; \ldots \rangle$ 21 $\cdot 0{,}5$ $|-10{,}5$

$a_1 = -2{,}5$ $a_n = -2{,}5 + (n-1) \cdot 0{,}5$

1.37b)

$a_{17} = 55$ $a_n = a_1 + (n-1) \cdot d$ 16

$a_{28} = 11$ $55 = a_1 + (17-1) \cdot d$

$11 = a_1 + (28-1) \cdot d$ 27

$44 = -11d \quad | : (-11)$

$d = -4$ $55 = a_1 + 16 \cdot (-4)$

$a_1 = 119$ -64

Bildungsgesetz:

$a_n = 119 + (n-1) \cdot (-4)$

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1.38)

$a_1 = 10$

$a_4 = 1$

$10 = 10 + (1-1)\cdot d$

$1 = 10 + (4-1)\cdot d$

$9 = -3d \mid :(-3)$

$d = -3$

$a_n = 10 + (n-1)\cdot(-3)$

$\langle a_n \rangle = \langle 10, 7, 4, 1, -2, \ldots \rangle$