Tehtävien vastaukset: Geometrinen jono.

564.

a) ei kumpikaan
b) geometrinen
c) aritmeettinen
d) ei kumpikaan

565.

a) $\begin{cases} a_1 = 258 \\ a_n = 3 \cdot a_{n-1}, n = 2,3,4,... \end{cases}$

b) $\begin{cases} a_1 = -178 \\ a_n = \frac{1}{2} \cdot a_{n-1}, n = 2,3,4,... \end{cases}$

c) $\begin{cases} a_1 = \frac{5}{7} \\ a_n = \frac{3}{2} \cdot a_{n-1}, n = 2,3,4,... \end{cases}$

566.

a) $a_1 = 1{,}5$
$a_2 = 4{,}5$
$a_3 = 13{,}5$

b) $a_1 = 20$
$a_2 = 14$
$a_3 = 9{,}8$

c) $a_1 = 170$
$a_2 = -170$
$a_3 = 170$

d) $a_1 = 30\ 000$
$a_2 = 15\ 000$
$a_3 = 7\ 500$

567. a) $-\frac{29}{125}$

b) $\frac{3125}{16}$

c) $\frac{32}{729}$

568.

a) $-3s$

b) $\sqrt{7}$

c) $\frac{4}{s^2}$

569.

$$a_4 = 31\frac{1}{5}$$

$$a_n = 3900 \cdot (\frac{1}{5})^{n-1}$$

570.

$$a_5 = -\frac{128}{3}$$

$$a_n = -\frac{1}{6} \cdot 4^{n-1}$$

571. 468,5

572.

a) $\frac{51}{256}$

b) $\pm\frac{3}{32}$

573. $a_9 = 276\frac{3}{4}$

574. 6144 kaniinia

575. 5105,74 €

576.* a) 22. termi

b) 12. termi