

## EVALUARE SUMATIVĂ

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### Test 1

I. **1.** C; **2.** A; **3.** B; **4.** B; **5.** C; **6.** Numerele sunt 18 și 12. C; **7.** D; **8.** A.

II. **1.** **a)**  $a = 1, b = 3, m_g = \sqrt{3}$ ; **b)**  $a = 1, b = 9, m_a = 5$ ; **c)** 3,24.

**2.** **a)**  $x = 2\sqrt{3}, y = 6\sqrt{3}$ ; **b)**  $\frac{2}{x+y} < \frac{1}{\sqrt{xy}}$ .

### Test 2

I. **1.** C; **2.** B; **3.** D; **4.** A; **5.** B; **6.** C.

II. **1.**  $(x + 25)^2 = 5625, x = 50$ .

**2.** **a)**  $2187 : 3 = 729 = 27^2$ ; **c)**  $L = 81 \text{ m}, l = 27 \text{ m}$ ; **d)** 216 m.

**3.**  $x \in \mathbb{N}$  este latura posterului,  $x^2 > (6 \cdot 2,4) : 4 = 3,6$ , deci  $x < 2,4$ . Obținem  $x = 2$  (m).