

Soluções

1.

1.1. $2\sqrt{5}$

1.2. $A = \frac{169}{162}$

2.

2.1. $A = 100 \text{ cm}^2$

2.2. $P = 32,9 \text{ cm}$

3.

3.1. $6,1 \times 10^9$

3.2. $1,14 \times 10^{10}$

4. D

5. D

6.

6.1. K

6.2.

6.2.1. C

6.2.2. A

7.

7.1. $x = 3$

7.2. $y = -\frac{1}{2}x + \frac{3}{2}$

7.3. $y = -2x$

8.

8.1. $S = \left\{-5; \frac{3}{2}\right\}$

8.2. $S = \left\{\frac{1}{5}\right\}$

8.3. $S = \{4; 7\}$

9. $x = \frac{3y}{2a-5}$

10.

10.1. $\begin{cases} a = 2b \\ a - 10 = b + 10 \end{cases}$

10.2. 40 euros

11. C