

CADERNO 1

1. D

2. $5,7 \times 10^{22}$

3. $9,24 \times 10^5$

4.

4.1 $5\sqrt{18}$ cm

4.2 $17,1$ cm²

CADERNO 2

5.

5.1 $\frac{5\pi}{2}, -\sqrt{8}$

5.2 $\frac{23}{11}$

5.3 $7,8(3)$

5.4 a) $\frac{2}{3} - 5$; b) $-\sqrt{8}$

6.

6.1 $1 + \sqrt{2}$

6.2 $-\frac{16}{5}$

6.3 $-\frac{10}{3}$

6.4 $\sqrt{10}$

7. A abscissa do ponto A é $-\frac{11}{5}$ e a abscissa do ponto D é $\frac{21}{5}$.

8.

$$\frac{6^{-8} \times \left(\frac{1}{2}\right)^8}{(4^{-2})^4} \times 3^2 = \frac{12^{-8} \times 3^2}{4^{-8} \times 3^2} = 3^{-8} \times 3^2 = 3^{-6} = \left(\frac{1}{3}\right)^6$$

9. B

10. B

11. Ao cuidado do aluno.

12. $10^{-7} < 5 \times 10^{-7} < 7,5 \times 10^{-3} < 6 \times 10^{-2}$

13. C