

1.

1.1. $a = -\sqrt{2}$; $b = -\frac{7}{6}$; $c = 2 - \pi$; $d = -1$, (1)

1.2. (C)

1.3. $-\sqrt{2}$, $2 - \pi$ e $\sqrt{10}$

1.4. $x = \frac{13}{9}$

2.

2.1. $] -3, 1[$

2.2. $[-\pi, +\infty[$

2.3. $[-\pi, 0[$

3. 1

4.

4.1. $(648 - 108\pi) \text{ cm}^3$

4.2. (D)

5.

5.1 (B)

5.2

5.2.1. 4

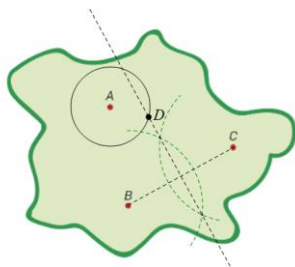
5.2.2. $\frac{8}{\sqrt{73}}$

6. (C)

7.

7.1. (B)

7.2. Por exemplo:



7.3. $14,5^\circ$