

# SOLUÇÕES

## PREPARAÇÃO PROVA AFERIÇÃO – PROVA MODELO B

1. 1.1. 15,375

1.2. 79,2%

2. 3,767 (por exemplo)

3.  $4,38 \times 10^{10}$

4.  $-\frac{14}{5} < -2, (7) < -\sqrt[3]{20} < \sqrt{118} < \pi^2 + 1 < \frac{98}{9}$

5. 5.1. 8,6 cm

5.2. Ao cuidado do aluno (critério aa).

5.3. (A)

6.  $2^{-90}$

7. (D)

8. 8.1.  $E(2,3)$

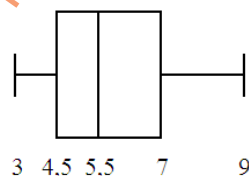
8.2.  $A_{[ABC]} = \frac{5 \times 8}{2} = 20$

9. (C)

10.  $A = \frac{8 \times 4\sqrt{3}}{2} = 16\sqrt{3}$

11.  $y = 3x - 1$

12. ver figura ao lado.



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

14. 14.1.  $30^2 + 2 \times 30 = 960$

14.2.  $[PJR]$

15. 15.1.  $(y-3)(y-3)$

15.2.  $z(9-2z)(9+2z)$

16.  $A_{[ABC]} = \frac{26 \times 4\sqrt{10}}{2} = 52\sqrt{10}$

17. (A)

18. 18.1 (D)

18.2.  $V_{[DAIJKLMN]} = 4 \times 24 \times 12 = 1152$

19.  $m = \frac{-3}{10-2p}$

20.  $\begin{cases} 0,80m + 2c = 90 \\ m + c = 60 \end{cases}$

21. (C)