Correção Ficha Avaliação 9º ano Novembro 2016

FICHA AVALIAÇÃO NOVEMBRO 2016

1 a)
$$2\sqrt{45} - 2\sqrt{5} + \sqrt{720} = 45 \begin{vmatrix} 3 & 720 & 2 \\ 15 & 3 & 360 & 2 \\ 2 & 233 \sqrt{5} - 2\sqrt{5} + \sqrt{2}\sqrt{5} = 5 & 180 & 2 \\ 45 & 3 & 90 & 2 \\ 45 & 3 & 90 & 2 \\ 45 & 3 & 3 & 3 \\ 45 & 3^2 \times 5 & 15 & 3 \\ 150 & 15^2 \times 5^2 \times 5 & 15 & 15 \\ 150 & 15^2 \times 5^2 \times 5 & 15 & 15 \\ 150 & 15^2 \times 5^2 \times 5 & 15 & 15 \\ 150 & 15^2 \times 5^2 \times 5 & 15 & 15 \\ 150 & 15^2 \times 5^2 \times 5 & 15 & 15 \\ 150 & 15^2 \times 5^2 \times 5 & 15 & 15 \\ 150 & 15^2 \times 5^2 \times 5 & 15 & 15 \\ 150 & 15^2 \times 5^2 \times 5 & 15 & 15 \\ 150 & 15^2 \times 5^2 \times 5 & 15 & 15 \\ 150 & 15^2 \times 5^2 \times 5 & 15 & 15 \\ 150 & 15^2 \times 5^2 \times 5 & 15 & 15 \\ 150 & 15^2 \times 5^2 \times 5 & 15^2 \times 5 & 15 \\ 150 & 15^2 \times 5^2 \times 5 & 15^2 \times 5 & 15^2 \times 5 \\ 150 & 15^2 \times 5^2 \times 5^2 \times 5 & 15^2 \times 5 & 15^2 \times 5 \\ 150 & 15^2 \times 5^2 \times 5 & 15^2 \times 5 &$$

3)
$$N = ENTAC$$
 2,6 = 2,7
PODE SER 2,61 = $\frac{261}{100}$

4 a)
$$P = 2 \times 11\sqrt{7} + 2 \times 10\sqrt{20} =$$

$$= 22\sqrt{7} + 20\sqrt{20}$$

b)
$$\sqrt{7} \approx 2,645751311...$$
 $\sqrt{20} = 4,472135955...$ $\approx 2,64$ $= 4,47$

22 x 2,64 + 20 x 4,47 = 58,08 + 89, 40 = 147,08 cm

d)
$$\sqrt{140} = 11,83215957...$$
 $11,832 < \sqrt{140} < 11,833$
 $1301,520 < 110\sqrt{140} < 1301,630$

5.1.4 -1 b) $-\sqrt{2}$ 5.2. D $\left\{-\frac{4}{5}, \frac{1}{3}, \frac{141}{50}\right\}$

$$5m = 15$$
 (=)
(=) $m = \frac{15}{5}$ (=)
(=) $m = 3$

a)
$$3x + 2 > 8$$
 (=)
(=) $3x > 8 - 2$ (=)

$$\Rightarrow x > \frac{6}{3} \Leftrightarrow x > \frac{6}{3}$$

$$\Rightarrow \frac{x}{1} - \frac{1}{2} + \frac{4x}{2} > \frac{8}{1(xz)} \Rightarrow$$

$$x \ge \frac{17}{4}$$

$$\frac{6-\chi}{5} \leq \frac{3}{4_{(u,s)}} = 1$$

9)
$$9-x>, 8$$
 $A = \frac{3x}{4} > -\frac{3}{1}(44)$

6) $-x>, 8-9$ $A = 3x>, -12$

6) $x>, -4$
 $x>, -4$

ESTATÍSTICA G PROBABILIDADES

1; 1; 1; 1; 1; 1; 2; 2; 2; 2; 3; 3

$$\widetilde{\mathbf{x}} = \frac{1+2}{2} = \frac{3}{2} = 1.5$$

1.2)

×	1	2	3
1	111	(2)	3
2	(2)	11/1	6
3	3	6	1/10

$$P(PAR) = \frac{4}{6} = \frac{2}{3}$$

$$\bar{\chi} = \frac{5 \times 13 + 40 \times 14 + 25 \times 15 + 10 \times 16}{5 + 40 + 25 + 10} = \frac{1160}{80} = 14,5$$

2.2.

$$P = \frac{5}{45} = \frac{1}{9}$$