

#Semana 3#

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28/julio/21

$$1) \frac{3 + \sqrt{8}}{5} = 1.16$$

$$2) \frac{7 - \sqrt{3}}{2} = 2.63$$

$$3) \frac{4}{7 - \sqrt{2}} = 0.72$$

$$4) \frac{1}{1 + \sqrt{2}} = 0.41$$

$$5) \frac{9 + \sqrt{15}}{11 - \sqrt{3}} = 1.39$$

$$6) \frac{15 - \sqrt{75}}{1 + \sqrt{15}} = 0.54$$

$$7) \frac{7 + \sqrt{68}}{16 - \sqrt{35}} + (-\sqrt{5})^4 = 26.51$$

$$\frac{7 + 8.25}{16 - 5.92} + 25$$

$$\frac{15.25}{10.08} + 25$$

$$1.5 + 25 = 26.51$$

$$10.08$$

$$1.5 + 25 = 26.51$$

$$8) \sqrt{\frac{\sqrt{6 \times 18}}{(\sqrt{8})^3} \times \sqrt{3}} = 1.06$$

$$\frac{44.09}{39 \times 19} = \sqrt{1.13}$$

$$1.06$$

$$9) \frac{(\sqrt[3]{\sqrt{735.091}})^2}{(\sqrt{49+4})^3}$$

$$\frac{(\sqrt[3]{735.091})^2}{153^3} = \frac{90.25}{385.83}$$

$$= 0.23$$

$$10) \frac{25 + \sqrt{42}}{17 + \sqrt{45}} \times (\sqrt{3})^3$$

$$= \frac{25 + 6.48}{17 + 6.71} \times 5.20$$

$$\frac{31.48}{23.71} \times 5.20 = 1.33 \times 5.20 = 6.92$$

Ejercicio No 2

$$1) \sqrt{\frac{0.12}{36}} \times \sqrt{\frac{0.62}{14.884}}$$

$$\frac{6}{49} \times \sqrt{\frac{14.884}{24,025}}$$

$$\frac{6}{7} \times \frac{122}{155} = 0.86 \times 0.79 = 0.68$$

$$2) (\sqrt{\sqrt{50,625}})^2 = \sqrt{50,625} = 225$$

$$3) (\sqrt{\sqrt{8}})^3 + \sqrt[3]{729} \quad 4.76 + 27 = 31.76$$

$$4) \frac{(\sqrt{\sqrt{707,281}})^3}{(\sqrt[3]{278 + 125})} = \frac{24,389}{131.02} = 186.15$$

$$5) \sqrt{\frac{\sqrt{36 \times 3}}{(\sqrt{4}^3) \times \sqrt{9}}} + (\sqrt{16+9})^3 \quad \frac{\sqrt{\sqrt{108}}}{24 \times 3} + \sqrt{25}^3$$

$$\sqrt{\frac{10 \times 39}{24}} + 5^3$$

$$\sqrt{0.43} + 125 = 0.657 + 125 = 125.657$$