

50	3 9	2012 2011

5 _____

..... $\sqrt{5}^5 \times \sqrt{2}^5 = \sqrt{10}^5$		
..... $\left(\frac{\sqrt{2}}{3}\right)^{-5} \times \left(\frac{\sqrt{2}}{3}\right)^7 = \left(\frac{\sqrt{2}}{3}\right)^{12}$		
..... $\sqrt{5} \sqrt{15} = 5\sqrt{3}$		
CD = 13cm	AB = 7cm	[CD] [AB] [BC]
ABCD		J [AD] I
		IJ = 10cm

4 _____

1

$$\frac{\left(\frac{7}{\sqrt{5}}\right)^8}{\left(\frac{\sqrt{5}}{7}\right)^{-12}} ; \frac{\left(\frac{\sqrt{5}}{2}\right)^6}{\left(\frac{\sqrt{5}}{3}\right)^6} ; \left(\frac{\sqrt{3}}{7}\right)^9 \times \left(\frac{\sqrt{3}}{7}\right)^{-10}$$

10

2

$$x = \frac{(0.0001)^5 \times 10^{-6}}{\frac{1}{10^{-6}} \times 10^7}$$

4 _____

$$a = \left(\frac{1}{\sqrt{3}} x^{-4}\right)^2 \times \left(\frac{1}{3\sqrt{3}} x^{-5}\right)^{-2}$$

$$a = 9x^2$$

1

$$x = \sqrt{5} - 2$$

$$a$$

2

?

$$x \times y$$

$$y = \sqrt{5} + 2$$

3

7 _____

$$AB = 9\text{cm}$$

$$BC = 10\text{ cm}$$

$$AC = 8\text{cm}$$

$$ABC$$

$$\frac{BD}{3} = \frac{DC}{4}$$

D

[BC]

1

BD

$$\frac{CD}{CB} = \frac{CE}{CA} = \frac{ED}{AB}$$

E

(AC)

D

(AB)

2

ED

3

