

50	4	9	2012 2011

5 _____

$a < b$	b	a
	$\frac{1}{a}$	$\frac{1}{b}$
..... $ac < bc$ يعني $a < b$	c	b
	$\sqrt{2}$	$\sqrt{6} = 2\sqrt{3}$
$MN^2 = PM^2 + PN^2$	P	MNP
$\sqrt{6}$	$\sqrt{3}$	EFGH

4 _____

$$b = \sqrt{63} + 2 \text{ و } a = \sqrt{125} - 2\sqrt{5} + 2$$

$$b = 3\sqrt{7} + 2 \text{ و } a = 3\sqrt{5} + 2$$

$$a < b$$

$$\frac{1}{b} \text{ و } \frac{1}{a}$$

4 _____

$$1 - \sqrt{5} < 2 - \sqrt{3}$$

$$\frac{\sqrt{7}}{11}(2 - \sqrt{3}) \text{ و } \frac{\sqrt{7}}{11}(1 - \sqrt{5})$$

$$\frac{100}{799} \text{ و } \frac{1}{8}$$

$$\frac{-1}{15} \text{ و } \frac{-1}{18}$$

7 _____

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

[GH] [EF]

E

EFGH

$$GH = 11\text{cm}$$

$$EH = 3\text{cm}$$

$$HM = 4\text{cm}$$

M

[GH]

1

EM

A

2

EFAH

FM

EMF

(EF)

G

B

3

AB

AGBF

4

