

2011

II ()

8

-4

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7

6-7

5-6

4

« + »

2-3

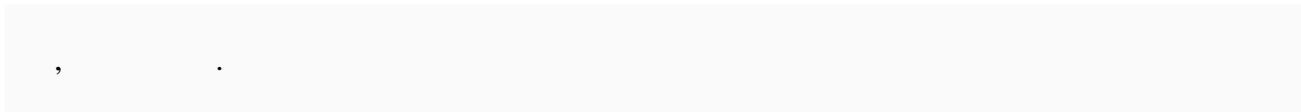
1

0

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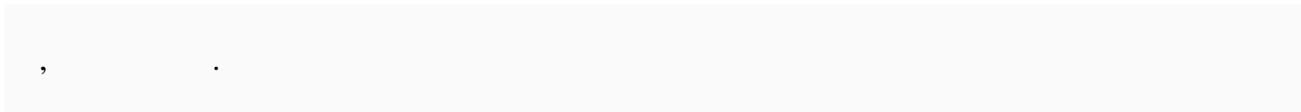
2011
2011.

1 2011,

2

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7



30°, 60°, 90°.

6

30°, 60°, 90°,
3

3

(),

1)

; 2)

7 ? (.)

81 .

3 : , ;
 3-3 = 9 ; 81 ; 81 ,

4

(,)

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			*	*								
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						0						

7

1089708 : 12 = 90809

-9, -90809. 8 9 - 12. - 1089708 : 12 = 90809.

5

a, b, c , $a b c$ $a+b+c \leq 1$.
 $a^2+3b^2+5c^2 \leq 1$.

7

1 $(a + b + c)^2 = a^2 + b^2 + c^2 + 2ab + 2bc + 2ac$ $a^2 + b^2 + c^2 + 2b^2 + 2c^2 + 2c^2 = a^2 + 3b^2 + 5c^2$.