



2009

13.5

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		3:	
$(\sqrt{3}-\sqrt{2})(\sqrt{3}+\sqrt{2}) (x+2)^2 :$		(1	0.5+ 0.5
$x^2 = -16 \quad x^2 = 9 :$		(2	1+ 1
		3:	
$B = \sqrt{7+2\sqrt{10}} + \sqrt{7-2\sqrt{10}} \quad A = 3\sqrt{3} + 2\sqrt{12} - 2\sqrt{27} :$		(1	1+ 1
$\frac{1}{3+\sqrt{2}} \quad \frac{1}{3\sqrt{2}} :$		(2	0.5+0.5
		3.5:	
$3 \leq 3y - x \leq 4 \quad -1 \leq x - 1 \leq 1$		y x	
$1 \leq y \leq 2 \quad 0 \leq x \leq 2$		(1	0.5+ 0.5
$\frac{x}{y} \quad x^2 \quad xy \quad x-y \quad x+y :$		(2	5 × 0.5
		4:	
$\tan \alpha \quad \sin \alpha \quad \cos \alpha = 0,4$		α (1	1+ 1
$E = \cos^2 25^\circ - \sin 13^\circ + \cos^2 65^\circ + \cos 77^\circ :$		(2	1
$F = \cos^3 x + \sin^2 x \cos x - \cos x$			1

6.5(

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	$AD = 4,5cm \quad DC = 8cm$	E	$ABCD$		
	() [AD]	E	$AE = 1,5cm$		
	M [AB] (EC)	$EC = 10cm$	(1		1
	$\tan D\hat{C}E \quad \sin D\hat{C}E \quad \cos D\hat{C}E$	(2	$3 \times$	0.5	
	$(D\hat{C}E + B\hat{C}M = 90^\circ)$	$CM = 7,5cm$	(3		1
EDC	(4			1	
	AM				
	$DN = 6cm$	[CD] N	(5		
	$(EC) \parallel (AN)$	(1	
$CH \cdot (EC) N$	H	(1	