

3rd Kyu Section 1: Calculation Test **Answer Keys**

1	(1)	-7
	(2)	23
	(3)	-11
	(4)	$-\frac{2}{3}$
	(5)	$4 + \sqrt{6}$
	(6)	6
	(7)	$34x + 2$
	(8)	$0.03x - 2.5$
	(9)	$26x - 66y$
	(10)	$\frac{x + 17y}{18}$

1	(11)	$-4y$
	(12)	$\frac{2}{5y}$
2	(13)	$9x^2 - 16y^2$
	(14)	$-x - 43$
3	(15)	$(x + 6)(x - 2)$
	(16)	$(x + y - 6)^2$
4	(17)	$x = -2$
	(18)	$x = 3$
	(19)	$x = \pm 2\sqrt{2}$
	(20)	$x = 4 \pm 2\sqrt{5}$

Please fill in the box below.

Name	Examinee Number
Gender (Check the appropriate box) Male <input type="checkbox"/> Female <input type="checkbox"/>	Age
Date of Birth (year) (month) (day)	
Address	

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5	(21)	$x = 6$,	$y = -2$	
	(22)	$x = -\frac{2}{3}$,	$y = \frac{1}{4}$	
6	(23)			-20	
	(24)			$\frac{1}{12}$	
	(25)	$y =$		$\frac{-5x + 3}{2}$	
	(26)	$y =$		-6	
	(27)	$y =$		$\frac{1}{2}x^2$	
	(28)			1800	degrees
	(29)	$\angle x =$		108	degrees
	(30)	$\angle x =$		52	degrees