

Pre-1st Kyu Section 1: Calculation Test Answer Keys

1	$a = 3, b = 4$
2	$a = \frac{3}{4}, b = \frac{1}{4}$
3	$(x - 2)^2 + (y + 1)^2 = 5$
4	<div style="display: flex; justify-content: space-around;"> <div style="text-align: left;">①</div> <div style="text-align: center;">$\begin{pmatrix} 3 & 2 \\ -1 & 0 \end{pmatrix}$</div> </div> <hr style="border-top: 1px dashed black;"/> <div style="display: flex; justify-content: space-around;"> <div style="text-align: left;">②</div> <div style="text-align: center;">$\begin{pmatrix} 1 & 0 \\ -1 & 2 \end{pmatrix}$</div> </div>

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	①	$\frac{2}{3}\sqrt{x+1}(x-2) + C$ <p>(C is an arbitrary constant)</p>
	②	$\frac{4-2\sqrt{2}}{3}$
6		$4y = 4 - x^2$
7		$\log_e 2$ <p>(e is the base of the natural logarithm)</p>