

問題 1

1.	$\frac{1}{2} < \frac{x}{y} < 2$
2.	$y = x^2 - 4x - 1$
3.	$0^\circ \leq \theta < 120^\circ$
4.	7
5.	-0.125

問題 2

1 .	(1)	$(x, y) = (1, 34), (2, 17), (-34, -1), (-17, -2)$
	(2)	$(x, y) = (1, 7), (-5, 1)$
	(3)	$(x, y) = (0, 0), (2, 10), (-4, 4), (6, 6)$
2 .	(1)	$\frac{1}{9}$
	(2)	$\frac{5}{18}$
	(3)	$\frac{5}{486}$

問題 3

1.	$ax + by > bx + ay$
2.	8
3.	$\sin 2\theta = -\frac{24}{25}$
4.	$x = -\frac{3}{2}$
5.	$a = 2, b = -3$