

受験番号

得点

1	(1)	6
	(2)	$\frac{201}{80}$
	(3)	$-5ab$
	(4)	$6\sqrt{3}$
	(5)	$\frac{7x+9y}{4}$

2	(1)	$S = \frac{1}{2}(a+b)h$ $2S = (a+b)h$ $a+b = \frac{2S}{h}$ $b = \frac{2S}{h} - a$ または $b = \frac{2S - ah}{h}$
	(2)	$(x+8)(x-2)$
	(3)	$(x-3)^2 = 2$ $x-3 = \pm\sqrt{2}$ $x = 3 \pm\sqrt{2}$

3	(1)	$6\sqrt{10}\pi$ cm^3
	(2)	$\angle A = 70$ 度
	(3)	$x = 15$ $y = 9$

4	(1)	100 g		
	(2)	①	$\begin{cases} 2x + y = 20 \\ 3x + 4y = 40 \end{cases}$	
		②	A管	8 l
			B管	4 l
③	720 l			

5	(1)	$\frac{5}{2}$
	(2)	$y = -\frac{3}{2}x + 3$
	(3)	$\frac{9}{4}$
	(4)	①
②		$k = \frac{21}{2}$

6	(1)	$[1, 4]$ $[3, 6]$ $[4, 1]$ $[6, 3]$
	(2)	最大値 12 最小値 -10
	(3)	$-9, -7, -5, 0, 2, 7$ $9, 11$ のうち3個選べば良い
	(4)	$\frac{5}{12}$