

1	(1)	ア	1 (3点)	イ	-10 (3点)	ウ	$-6ab^3$ (3点)
		エ	$-5x+10y$ (3点)		オ	$2\sqrt{6}$ (3点)	
	(2)	$a = -\frac{3}{2}b + \frac{5}{2}$ (3点)			(3)	$x = 2, y = -3$ (3点, 片方のみ正解は1点)	
	(4)	$(x-7)^2$ (3点)			(5)	$x = \frac{5 \pm \sqrt{13}}{6}$ (3点)	
	(6)	$0 \leq y \leq 8$ (3点)			(7)	$\angle x = 26^\circ$ (3点)	
	(8)	$3\sqrt{7}\pi \text{ cm}^3$ (3点)			(9)	垂直二等分線 (3点)	

2	(1)	ア	20 人 (3点)	イ	20 % (3点)
		ウ	7.5秒以上 8.0秒未満 (完答, 3点)	エ	③ (3点)
	(2)	②, ④ (完答, 3点)			

3	(1)	6 cm (4点)	(2)	$24\sqrt{3} \text{ cm}^3$ (4点)
	(3)	$V:V' = 8:1$ (4点)	(4)	$21\sqrt{3} \text{ cm}^3$ (4点)

4	(1)	$y = -x$ (4点)	(2)	$a = -\frac{1}{4}$ (4点)
	(3)	ア	$\frac{S'}{S} = \frac{16}{9}$ (4点)	イ

5	(1)	1 (2点)	(2)	$\frac{1}{2}$ (3点)	(3)	3 (3点)
	(4)	$\frac{\sqrt{3}}{3}$ (3点)	(5)	$2\sqrt{3}$ (3点)		

