

受験番号

得点

1	(1)	16
	(2)	-16
	(3)	$11\sqrt{3}$
	(4)	15
	(5)	$\frac{2x-6y}{5} \left(\frac{2}{5}x - \frac{6}{5}y \right)$

2	(1)	$4x^2 - 20xy + 25y^2$
	(2)	$2(x+6)(x-1)$
	(3)	$x = 4$
	(4)	$x = 2 \quad y = -5$
	(5)	$x = \frac{3 \pm \sqrt{29}}{10}$

3	(1)	$x = 100 \quad y = 200$
	(2)	① 4通り
		② $\frac{3}{5}$

4	(1)	$\angle x = 21$ 度	
	(2)	FG : AD = 2 : 21	
	(3)	①	円錐
		②	$6\pi \quad \text{cm}$
		③	$12 \quad \text{cm}$
④		$45\pi \quad \text{cm}^2$	

5	(1)	$a = \frac{1}{4}$
		C (-2 , 1)
(2)	$t = 2$	

6	(1)	4
	(2)	C (2 , 3)
	(3)	8
	(4)	8