

1

(1)	$-\frac{27}{16}$	(2)	$\frac{y^2 z^3}{3x}$	(3)	$\frac{5x+11y}{6}$
(4)	$x = \pm 4$	(5)	$x = 5, y = 2$	(6)	$\sqrt{3}$

2

(1)	$\frac{1}{10}$	(2)	-5	(3)	45 度
(4)	14 度	(5)	$\begin{cases} 30x + 50y = 150 \\ x + y = 4 \end{cases}$		

3

(1)	3.6	(2)	(i) 3 (ii) 4	(3)	③
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4

(1)	25	(2)	9 段目の左から 1 枚目	(3)	855
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5

(1)	$\frac{1}{2}$	(2)	(4, 8)	(3)	12
(4)	$y = \frac{1}{2}x + 3$	(5)	$\frac{64}{3}\pi$		

6

(1)	①	$\frac{a}{\sqrt{2}}$	②	$\frac{a}{\sqrt{2}}$
(2)	2 : 1		(3)	$\frac{2\sqrt{2}}{27}a^3$