

令和3年度 1月入試 数学 解答

1

(1)	$-2$	(6)	$2x^2 - 7x - 15$
(2)	$23$	(7)	$3(x-7)(x+2)$
(3)	$-x^2 - 16x + 10$	(8)	$x = 2, y = -3$
(4)	$\frac{13x+7}{6}$	(9)	$x = \frac{7 \pm \sqrt{17}}{4}$
(5)	$2\sqrt{3}$	(10)	$1080^\circ$

2

(1)	①	$\frac{3}{5}$	②	$\frac{3}{5}$	(2)	$\frac{2}{5}$
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3

$FG = 6\text{cm}$
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4

$\angle x = 98^\circ$
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5

$5, 6, 7$
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6

(1)	略	(2)	$\angle CDE = 23^\circ$
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7

(1)	$A(-3, 9)$	(2)	$a = -2, b = 3$	(3)	$6$
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8 略

9

表面積	$48\pi \text{ cm}^2$	体積	$\frac{128}{3}\pi \text{ cm}^3$
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10

(1)	$4n + 1$	(2)	$37$	(3)	15 番目	(4)	25 番目
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