

令和2年度 工学部CA方式(2/15)数学解答

問題番号	小問	解答記号	正解
1	(1)	$(\boxed{1}x + \boxed{2}y - \boxed{3})(x - \boxed{4}y + \boxed{5})$	$(2x + 3y - 2)(x - 4y + 3)$
	(2)	$b = \boxed{6}, x = \boxed{7}$	$b = 3, x = 1$
	(3)	$2\log_2 x + \log_2 y = \boxed{8}$	$2\log_2 x + \log_2 y = 4$
		$\log_2 x = \boxed{9}, \log_2 y = -\boxed{10}$	$\log_2 x = 3, \log_2 y = -2$
	(4)	$\boxed{11} \ \boxed{12}$	64
	(5)	$\boxed{13} \ \boxed{14}$	11
2	(1)	$\frac{\boxed{15}}{\boxed{16} \ \boxed{17}}$	$\frac{7}{15}$
	(2)	$\boxed{18} \sqrt{\boxed{19} \ \boxed{20}}$	$4\sqrt{11}$
	(3)	$\frac{\boxed{21} \ \boxed{22} \ \boxed{23}}{88} \sqrt{\boxed{24} \ \boxed{25}}$	$\frac{135}{88} \sqrt{11}$
3	(1)	$\sqrt{\boxed{26}} \sin x + \frac{1}{3}$	$\sqrt{3} \sin x + \frac{1}{3}$
	(2)	$\frac{\sqrt{\boxed{27} \ \boxed{28}} - \sqrt{\boxed{29}}}{12}$	$\frac{\sqrt{35} - \sqrt{3}}{12}$
4	(1)	$\frac{\boxed{30}}{\boxed{31}} s \vec{OA} + (1-s) \vec{OB}$	$\frac{1}{6} s \vec{OA} + (1-s) \vec{OB}$
	(2)	$\frac{\boxed{32}}{\boxed{33} \ \boxed{34}} \vec{OA} + \frac{\boxed{35}}{\boxed{36}} \vec{OB}$	$\frac{1}{16} \vec{OA} + \frac{5}{8} \vec{OB}$
	(3)	$\frac{\boxed{37}}{\boxed{38} \ \boxed{39}} S$	$\frac{5}{16} S$
5	(1)	$\frac{\boxed{40}}{\boxed{41}}$	$\frac{2}{9}$
	(2)	$\frac{\boxed{42} \ \boxed{43}}{\boxed{44} \ \boxed{45}}$	$\frac{26}{27}$
	(3)	$\frac{\boxed{46} \ \boxed{47}}{\boxed{48} \ \boxed{49}}$	$\frac{10}{81}$
6	(1)	$y = \boxed{50}x - \boxed{51}$	$y = 4x - 6$
	(2)	$(\frac{\boxed{52}}{\boxed{53}}, \boxed{54})$	$(\frac{3}{2}, 0)$
	(3)	$y = \boxed{55}x - \boxed{56}$	$y = 2x - 3$