

1	2	3	4	5
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## 適性試験 (数学-共通) 解答用紙

1

(1)  $\frac{5}{12}$

(2)

$\frac{120}{119}$

(3)  $\frac{1}{239}$

2

(1)  $s = 2, t = -1.$

(2)

$a_n = 3^{n-1} - 2n + 1.$

(3)  $\sum_{n=1}^N a_n = \frac{3^N}{2} - \frac{1}{2} - N^2.$

3

(1)  $r = p - q.$

(2)

P:(2, 3, -1).

4

(1)  $\frac{1}{21}$

(2)

$\frac{3}{28}$

(3)  $\frac{7}{9}$

5

(1)  $f'(x) = \frac{(4x-1)(x-1)}{x}.$

(2)

$x = \frac{1}{4}$  で極大,  $x = 1$  で極小.

(3)  $y = -x - \log 2 - \frac{3}{2}.$