

- 注意 1. 必要な式と計算は、各問いの計算欄に書くこと。  
 2. 答の  $\sqrt{\quad}$  の中はできるだけ簡単にし、分数は、それ以上約分できない形で答えること。

1 計算欄

答 (1) ①

\_\_\_\_\_

(1) ②

\_\_\_\_\_

(2) ① 円  $B$  , 円  $C$

\_\_\_\_\_

(2) ② 円  $B'$  , 円  $C'$

\_\_\_\_\_

2 計算欄

答 (1)

\_\_\_\_\_

(2) 傾き ,  $y$  座標

\_\_\_\_\_

(3) ①

\_\_\_\_\_

(3) ②

\_\_\_\_\_

3 計算欄

答 (1)

\_\_\_\_\_

(2)

\_\_\_\_\_

(3)

\_\_\_\_\_

4 計算欄

答 (1)

\_\_\_\_\_

(2)  $x =$  ,  $y =$

\_\_\_\_\_

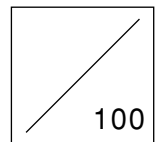
(3)

\_\_\_\_\_

(4) 最小値 ,  $x =$  ,  $y =$

\_\_\_\_\_

- 推定配点○ ① (1) 各6点×2 (2) 各3点×4  
 ② (1) 6点 (2) 各4点×2 (3) 各5点×2 ③ 各8点×3  
 ④ (1) 6点 (2) 6点(完答) (3) 6点  
 (4) 最小値 5点  $x, y$  5点(完答) 計100点



**A**

- I 1. \_\_\_\_\_ 2. \_\_\_\_\_
- II (1) \_\_\_\_\_ III (2) \_\_\_\_\_
- IV (3) \_\_\_\_\_ (14) \_\_\_\_\_
- V (4) \_\_\_\_\_ (5) \_\_\_\_\_ (9) \_\_\_\_\_  
(18) \_\_\_\_\_ (21) \_\_\_\_\_ (23) \_\_\_\_\_
- VI (6) \_\_\_\_\_ (17) \_\_\_\_\_
- VII (7) \_\_\_\_\_ (8) \_\_\_\_\_ (12) \_\_\_\_\_ (19) \_\_\_\_\_ (20) \_\_\_\_\_ (22) \_\_\_\_\_
- VIII (10) 4番目 \_\_\_\_\_ 6番目 \_\_\_\_\_
- IX (11) \_\_\_\_\_
- X (13) \_\_\_\_\_ (16) \_\_\_\_\_
- XI (15) \_\_\_\_\_

**B**

- I 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_
- II (1) \_\_\_\_\_ (2) \_\_\_\_\_ (7) \_\_\_\_\_ (9) \_\_\_\_\_ (11) \_\_\_\_\_ (14) \_\_\_\_\_
- III (3) \_\_\_\_\_ (12) \_\_\_\_\_
- IV (4) \_\_\_\_\_ (6) \_\_\_\_\_ (8) \_\_\_\_\_ (13) \_\_\_\_\_
- V (5) \_\_\_\_\_
- VI (10) \_\_\_\_\_
- VII (15) \_\_\_\_\_
- VIII \_\_\_\_\_ , \_\_\_\_\_
- IX (1) \_\_\_\_\_ (2) \_\_\_\_\_ (3) \_\_\_\_\_ (4) \_\_\_\_\_ (5) \_\_\_\_\_

○推定配点○ 各2点×50 計100点

