Related Questions with Solutions

Questions

Ouetion: 01

$$S_1 \equiv x^2+y^2-4x+6y-3=0$$

$$S_2 \equiv x^2+y^2+4x-6y-12=0$$
 Find the number of integers in the range of 'r' so that the circles
$$(x-1)^2+(y-3)^2=r^2 \text{ and } (x-4)^2+(y-1)^2=9 \text{ intersects at } 2 \text{ distinct points.}$$
 A. 6 B. 8 C. 10 D. 12

Solutions

Solution: 01

Correct Options

Answer:01
Correct Options: D