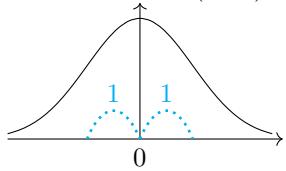
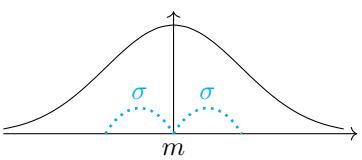
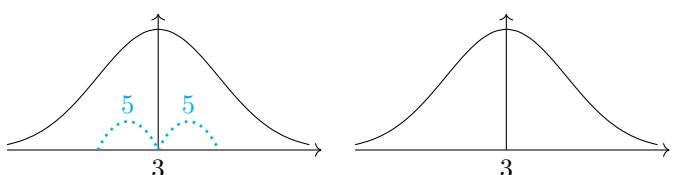


標準正規分布 $N(0, 1^2)$ 正規分布 $N(m, \sigma^2)$ 

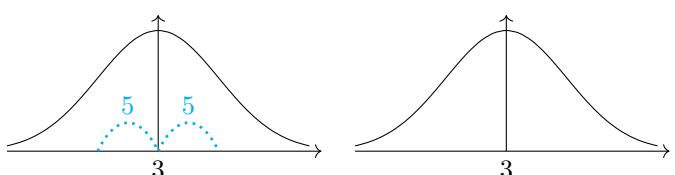
例 1 確率変数 X が正規分布 $N(3, 5^2)$ に従うとき、
 $P(3 \leq X \leq 7)$ を求めよ。

 $N(3, 5^2)$ 

答

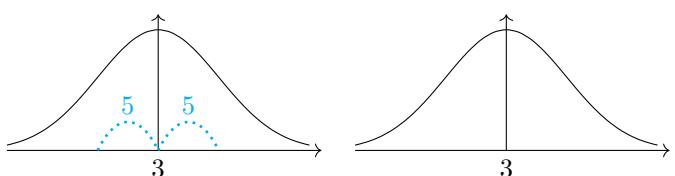
問 1 確率変数 X が正規分布 $N(3, 5^2)$ に従うとき、次の確率を求めよ。

(1) $P(3 \leq X \leq 9)$

 $N(3, 5^2)$ 

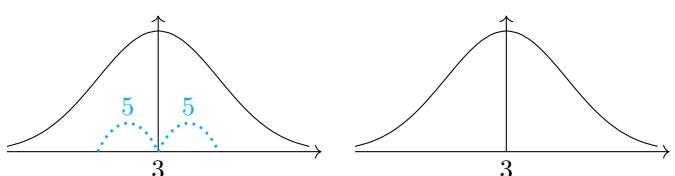
答

(2) $P(1 \leq X \leq 3)$

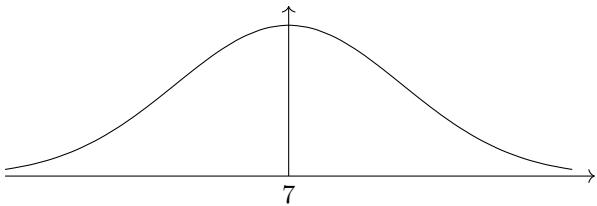
 $N(3, 5^2)$ 

答

(3) $P(10 \leq X)$

 $N(3, 5^2)$ 

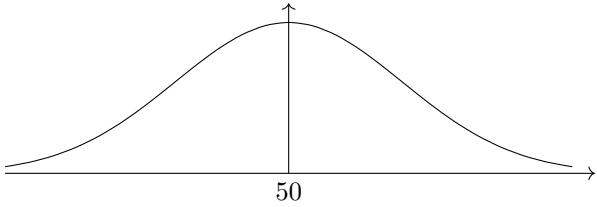
答

例 2確率変数 X が正規分布 $N(7, 4^2)$ に従うとき、
 $P(2 \leq X \leq 13)$ を求めよ。

答

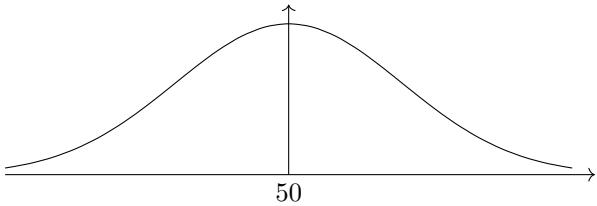
問 2 確率変数 X が正規分布 $N(50, 10^2)$ に従うとき、次の確率を求めよ。

(1) $P(45 \leq X \leq 60)$



答

(2) $P(65 \leq X)$



答

