

⑨ $-5x + 7y = 2$

(D) $10x - 14y = -4$

⑩ (B) $2x + 5y = -11$
 $4x + 10y = -22$

⑪ $x - y = 2 \dots \textcircled{1}$
 $x + y = 4 \dots \textcircled{2}$

$\underline{2x = 6}$

$\Rightarrow x = 3$

Sub ①

$3 - y = 2$

$\Rightarrow y = 1$

$\therefore x = 3, y = 1$

given $x = a, y = b$

$\therefore a = 3, b = 1$

(C) 3, 1

⑫ let no. of Re 1 coins = x
 no. of Rs 2 coins = y

CF $x + y = 50 \dots \textcircled{1}$
 $x + 2y = 75 \dots \textcircled{2}$

$\underline{-y = -25}$

$\Rightarrow y = 25$

Sub ①

$x + 25 = 50$

$\Rightarrow x = 25$

(D) 25, 25

⑬ ^{Present ages}
 let sons age = x years
 fathers age = y years

CF $y = 6x \dots \textcircled{1}$

after four years

$y + 4 = 4(x + 4)$

$6x + 4 = 4x + 16$ (use ①)

$2x = 12$

$x = 6$

Sub ①

$y = 6 \times 6$
 $= 36$

\therefore Sons present age = 6 years
 fathers pr. age = 36 years

(C) 6 and 36