

iv) $x^2 - 6x + 8 = 0$

$(x-2)(x-4)$

$\frac{x^2 - 4x - 2x + 8}{-6x} = 0$

$x-2=0$ $x-4=0$

$x=2$

$x=4$

v) $2x^2 + 9x + 7 = 0$

$(2x+7)(x+1)$

$\frac{2x^2 + 2x + 7x + 7}{9x} = 0$

$2x+7=0$ $x+1=0$

$2x = -7$

$x = -3.5$

$x = -1$

2. $12x^2 + 5x = 7$

2.dp

$12x^2 + 5x - 7 = 0$

$\frac{-(-5) \pm \sqrt{(-5)^2 - 4(12)(-7)}}{2(12)}$

$x = 0.58$

$x = -1$

3. $5x + 2y = 22$ ①

$4x + 3y = 14$ ②

$15x + 6y = 66$ ③

$8x + 6y = 38$ ④

$7x = 28$

$x = 4$

$5(4) + 2y = 22$

$20 + 2y = 22$

$2y = 22 - 20$

$2y = 2$

$y = 1$