

⑦

$$\frac{-5 \pm \sqrt{977}}{34}$$

$$x = 0.772 \quad \text{and} \quad x = -1.066$$

$$5) \quad 6x + 5y = 35$$

$$7x - 4y = 31$$

$$24x + 20y = 140$$

+

$$35x - 20y = 155$$

=

$$59x = 295$$

$$295 \div 59 = 5 \quad x = 5$$

$$(6 \times 5) + 5y = 35$$

$$30 + 5y = 35$$

$$35 - 30 = 5y$$

= 5

$$5y = 5$$

$$y = 1$$

$$x = 5 \quad \text{and} \quad y = 1$$