

ACHA3000 2107574 1/11/21

⑥

$$(v) 2x^2 - 3x - 20 = 0$$

$$(2x+5)(x-4)$$

$$2x^2 + 5x - 8x - 20$$

$$2x^2 - 3x - 20 \checkmark$$

$$2x+5=0 \quad -5$$

$$2x = -5$$

$$x-4=0 \quad +4$$

$$\underline{x = -2.5} \quad \text{and} \quad \underline{x = 4}$$

$$4) 17x^2 = -5x + 14 \quad +5x$$

$$17x^2 + 5x = 14 \quad -14$$

$$17x^2 + 5x - 14 = 0$$

$$a=17 \quad b=5 \quad c=-14$$

$$x = \frac{-5 \pm \sqrt{5^2 - 4 \times 17 \times -14}}{2a}$$

$$25 - 4 \times 17 \times -14 = 977$$

$$2a = 2 \times 17 = 34$$