

4/6

(4)

$$14x^2 + 3x = 11$$

$$14x^2 + 3x - 11 = 0$$

$$x = \frac{-3 \pm \sqrt{3^2 - 4 \cdot 14 \cdot (-11)}}{28}$$

$$x = \frac{-3 \pm \sqrt{9 + 616}}{28}$$

$$x = \frac{-3 \pm \sqrt{625}}{28}$$

$$x = \frac{-3 \pm 25}{28}$$

$$x = \underline{\underline{(-2,67)}}$$

$$x = \underline{\underline{1,67}}$$

(5)

$$2(5x + 3y) = 39$$

$$3(8x - 2y) = 42$$

$$10x + 6y = 39$$

$$* \quad 24x - 6y = 42$$

$$\underline{\underline{14x = 81}}$$

$$34x = 204$$

$$x = \underline{\underline{6}}$$

$$(5 \cdot 6) + 3y = 39$$

$$30 + 3y = 39$$

$$3y = 39 - 30$$

$$3y = 9$$

$$\underline{\underline{y = 3}}$$