

$$(iv) x^2 - 64 = 0$$

$$(x+8)(x-8)$$

$$x+8=0 \quad x-8=0$$

$$\boxed{x=-8} \quad \boxed{x=8}$$

$$(v) 2x^2 + 9x + 10 = 0$$

$$(2x+ \quad)(x+ \quad)$$

$$4 \quad 14x^2 + 3x = 11$$

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

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

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

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

~~$$x = \frac{-3 \pm \sqrt{4861}}{28}$$~~

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

$$x = \frac{-3 + 25}{28} = 0.79 \quad \boxed{x = 0.79}$$

$$x = \frac{-3 - 25}{28} = -1 \quad \boxed{x = -1}$$