

①

$$(x^2 - 2)(x^3 + 3x^2 + 2x) = 0$$

$$x^2 - 2 = 0$$

$$x^2 = 2$$

$$x = \pm\sqrt{2} \quad 2p$$

$$\text{TAI } x^3 + 3x^2 + 2x = 0$$

$$x(x^2 + 3x + 2) = 0 \quad 1p$$

$$x = 0 \quad 1p \quad \text{TAI } x^2 + 3x + 2 = 0$$

$$x = -2 \quad \text{TAI } x = -1 \quad 1p$$

Vast. $x = \pm\sqrt{2}, x = 0, x = -2$ TAI $x = -1$

② $(x^2 - 2)(x^3 + 3x^2 + 2x) < 0$

NOLNASHOAT $(x^2 - 2) \cdot x \cdot (x^2 + 3x + 2) = 0$

$$x = -2, x = -\sqrt{2}, x = -1, x = 0, x = \sqrt{2} \quad 3p$$

	-2	$-\sqrt{2}$	-1	0	$\sqrt{2}$		
$x^2 - 2$	+	+	-	-	-	+	\checkmark
x	-	-	-	-	+	+	\times
$x^2 + 3x + 2$	+	-	-	+	+	+	\checkmark
	-	+	-	+	-	+	$3p$

Vast. $x < -2, -\sqrt{2} < x < -1$ TAI $0 < x < \sqrt{2}$ $3p$