141
$$(x-a)^3 - (x+a)^3 = 3x(1-2ax) + ax - 1$$

$$= 3 \times - 6 \alpha \times^2 + \alpha \times - 1$$

$$x^{3} - 3\alpha x^{2} + 3\alpha^{2}x - \alpha^{3} - x^{2} - 3\alpha^{2}x - \alpha^{3} =$$

$$= 3 \times -6 \alpha \times^{2} + \alpha \times -1$$

$$-3 \times -a \times = a^{3} + a^{3} - 1$$

$$3 \times + a \times = -2a^{3} + 1$$

$$\times (3+a) = 1-2a^3$$

$$3 + a \neq 0 \Rightarrow a \neq -3 \qquad \times = \frac{1 - 2a^3}{a + 3}$$

$$\alpha = -3$$
 $0 = 1 - 2(-27)$ IMPOSSIBILE

18.609

340
$$a(a+x)(a-3) = (a+6)(a+1)(a-1) - 8a^2$$

$$a(a^2-3a+ax-3x)=(a+6)(a^2-1)-8a^2$$

$$a^3 - 3a^2 + a^2x - 3ax = a^3 - a + 6a^2 - 6 - 8a^2$$

$$a^{2}x - 3ax = -a - 6 - 2a^{2} + 3a^{2}$$

$$a \times (a - 3) = a^2 - a - 6$$

$$a(a-3) \times = (a-3)(a+2)$$

$$x = \frac{(a-3)(a+2)}{a(a-3)} = \frac{a+2}{a}$$

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

3)
$$\alpha = 3$$
 3.0. $x = 0$. (3+2)

342
$$a(a+1)x - (x+1)(a+1) = -2$$

$$(a^2 + a) \times - (a \times + x + a + 1) = -2$$

$$a^2 \times + a \times - a \times - x - a - 1 = -2$$

$$\alpha^2 \times - \times = -2 + \alpha + 1$$

$$\times (\alpha^2 - 1) = \alpha - 1$$

$$(a-1)(a+1) \times = a-1$$

$$\Rightarrow a + 1 \wedge a + -1 \qquad x = \frac{q}{(a-1)(a+1)} = \frac{1}{q+1}$$

2)
$$\alpha = 1$$
 $0 \cdot 2 \cdot \times = 0 \Rightarrow 0 = 0$ Eq. INDETERMINATA

3)
$$a = -1$$
 $-2 \cdot 0 \cdot x = -2 \Rightarrow 0 = -2$ EQ. IMPOSSIBILE

343
$$(a-1)(a+2)x - (a-1)(2a-1)x = a^2 - 6a + 9$$

$$(a-1) \times \cdot [a+2-(2a-1)] = (a-3)^{2}$$

$$(a-1)(a+2-2a+1) \times = (a-3)^{2}$$

$$(a-1)(-a+3) \times = (a-3)^2$$

2)
$$\alpha = 1$$
 $0 = 4$ Eq. IMPOSSIBILE

3)
$$\alpha = 3$$
 $0 = 0$ Eq. INDETERMINATA