(1)
$$a = 2 \pm \sqrt{3}$$
 $a^3 = 8 + 3\sqrt{3} + 3 \cdot 2^2 \cdot 3 + 3 \cdot 2 \cdot 3$
 $a^3 = 8 + 3\sqrt{3} + 12\sqrt{3} + 18$
 $a^3 = 26 + 15\sqrt{3}$
 $a^6 + 3a^3 + 1$
 $a^3 + 3 + 3 + 1$
 $a^3 + 1 + 1$

(2) fla)=2x3+ax2+11n+a+3, is divisible by So, (2n-1) will be factor of f(x) 2x-1=0 $[n=y_2] \text{ will Satisfy the function } s$ 2x3+9x2+11x+9+3=0, Where n=1/2 2 (f) + 9 (f) + 11 (1) + 9 + 3 = 0 1 + 9 + 11 + a+3 = 0 1 + a + 22 + 4a + 12 = 0 5a + 35 =0 [a=-7] Ay

$$(x-y)^{2} \cdot (x^{2}-y^{2})^{2} \cdot x$$

$$(x-y)^{2} \cdot (x^{2}-y^{2})^{2} \cdot x$$

$$(x^{2}-y^{2})^{2} = (x^{2}-y^{2})^{2}$$

$$(x^{2}-y^{2})^{2} = (x^{2}-y^{2})^{2}$$

$$(x+y)^{2} \cdot (x+y)^{2} \cdot (x^{2}-y^{2})^{2}$$

$$x = (x+y)^{2} \cdot (x+y)^{2} \cdot (x-y)^{2}$$

$$x = (x+y)^{2} \cdot (x+y)^{2} \cdot (x-y)^{2}$$

$$x = (x+y)^{4} \cdot (x-y)^{2} \cdot (x-y)^{2}$$

$$x = (x+y)^{4} \cdot (x-y)^{2} \cdot (x-y)^{2}$$