Nome: Giulia Ventura Favaro n° 17 – 1DS

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① a) $3^{4} = 3, 3, 3, 3 =$	0) 5°=1
b) (-2) ³ =-2,-2,-2=-8 c) (-2) ⁶ =-2,-2,-2,-2	$\frac{(\sqrt{2})^2 = 2}{(-2 - 64)(\sqrt{7})^3} = 7\sqrt{7}$
d) o ⁵ = 0	$2)6^{-2} = 1 = 1$ $i)(-3)^{-6} = 2 = 2$ $2)3 = 3$
	(2) 3 3
(1) a) 2187 = 37	d) $\sqrt[3]{81} = 3^{\frac{1}{5}}$ 2) $\sqrt[3]{3} = 3^{\frac{1}{2}} + 1 \cdot 3^{\frac{1}{2} - 1} + 1 \cdot 3^{\frac{1}{2}}$
b) $\frac{1}{q} = 3^{-2}$	
c) 1= 3°	L) 275 = (33) → 315
(13) a) $500 = 5.10^2$	0)0,034=3,4.10-2
b)0,0006 = 6.10 c)0,000000.25 = 2,5.10 ⁷	1)0,8=8 10 ⁻¹ 9) 20,39=2,039.10 ⁻¹
d) 0,92 = 2.102	1)0,000008=8,10-6

1- a) 3⁴ = 81

i) 48 000 = 4,8,10° j) 7000 000 000 = 7 10°	k) 923, 1 = 9,231, 10 ² l) 40400 = 4,04,104
17) a- 18 = 2 12 b- 3/16 = 23/2	C) V60 = 2V (5 d) V200 = 1
(19) a) $\sqrt{3}$. $\sqrt{5} = \sqrt{10}$ b) $\sqrt{5} = \sqrt{2}$ c) $\sqrt[3]{5} = \sqrt{5}$	d) $\sqrt{2\sqrt{3}} = \sqrt[4]{12}$ e) $\sqrt[3]{2}$. $\sqrt[4]{2}$ = $\sqrt[4]{2}$ [2] $\sqrt[4]{2}$ = $\sqrt[4]{2}$ [3] $\sqrt[4]{2}$ = $\sqrt[4]{2}$ [3]
$(27) a) \sqrt[3]{625} + \sqrt[3]{40} - \sqrt[3]{135} = 0$ $5\sqrt[3]{5} + 2\sqrt[3]{5} - 3\sqrt[3]{5} = 9$	3√5 √5
$6)\sqrt{8}.\sqrt{6}+\sqrt{21}.\sqrt{7}=1$ $\sqrt{48}+\sqrt{147}$ $4\sqrt{3}+7\sqrt{3}=11\sqrt{3}$	
$\begin{array}{c} 4\sqrt{3} + 7\sqrt{3} = 11\sqrt{3} \\ \text{C)} \sqrt{3}128 + \sqrt[3]{1458} = \\ \sqrt[3]{128} + \sqrt[6]{1458} \\ \sqrt[2]{2} + \sqrt[3]{2} = \sqrt[5]{2} \\ \sqrt[2]{2} + \sqrt[3]{2} = \sqrt[5]{2} \end{array}$	
1) \(\sqrt{3} + \sqrt{2} - \sqrt{18} \) = \(\sqrt{3} + \sqrt{2} - 3\sqrt{2} \) \(\sqrt{3} - 2\sqrt{2} \) \(\sqrt{3} - 2\sqrt{2} \)	
	,