

Tarea 5 fernando piuaral Serrano.

a) $2^3 + 3^3 + 4^3 =$

$$2 \times 2 \times 2 + 3 \times 3 \times 3 + 4 \times 4 \times 4 = \underline{R//99}$$

b) $13^2 + 3^2 + 10^2 =$

$$13 \times 13 + 3 \times 3 + 10 \times 10 = \underline{278}$$

c) $7^2 - 4^3 =$

$$7 \times 7 - 4 \times 4 \times 4 = 49 - 64 = \underline{R// -15}$$

d) $(122^3)(122)$

$$122 \times 122 \times 122 + 122 = \underline{R// 1,815,970}$$

e) $(20^4) - (5^5)$

$$20 \times 20 \times 20 \times 20 - 5 \times 5 \times 5 \times 5 \times 5 = 160,000 - 3,125$$

$$\underline{R// 156,875}$$

$$f) 13^2 + 3^2 + 10^2 =$$

$$13 \times 13 + 3 \times 3 + 10 \times 10 =$$

$$169 + 9 + 100 = \underline{278}$$

$$g) 5^3 + 5^6 + 5^0 =$$

$$5 \times 5 \times 5 + 5 \times 5 \times 5 \times 5 \times 5 \times 5 + 5$$

$$125 + 15,625 + 5 = \underline{15,755}$$

$$h) (11^2) + (\cancel{22}7^2)$$

$$11 \times 11 + 7 \times 7 =$$

$$121 + 49 = \underline{170}$$

$$i) \underline{100^3} - 6^4$$

$$100 \times 100 \times 100 - 6 \times 6 \times 6 \times 6 =$$

$$\underline{1,000,000} - 1,296 = \underline{998,704}$$

$$J) 10^4 + 10^5 + 10^7 =$$

$$10 \times 10 \times 10 \times 10 + 10 \times 10 \times 10 \times 10 \times 10 + 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 =$$

$$10,000 + 100,000 + 10,000,000 = \underline{\underline{R/ 10,110,000}}$$

$$K) 6^3 - 3^3 =$$

$$6 \times 6 \times 6 - 3 \times 3 \times 3$$

$$216 - 27 = \underline{\underline{R/ 189}}$$

$$L) 11^2 + 11^4 =$$

~~$$11 \times 11 + 11 \times 11 \times 11 \times 11$$~~

$$11 \times 11 + 11 \times 11 \times 11 \times 11 =$$

$$121 + 14,641 = \underline{\underline{R 14,762}}$$

$$m) \quad 2^2 + 2^3 + 2^4 =$$

$$2 \times 2 + 2 \times 2 \times 2 + 2 \times 2 \times 2 \times 2 =$$

$$4 + 8 + 16 = \underline{28}$$

$$n) \quad 5^2 - 2^4 =$$

$$5 \times 5 - 2 \times 2 \times 2 \times 2 =$$

$$25 - 16 = \underline{9}$$