$$[.6.1]_{(a)}$$
 $+ 3 = 49 \times + = 343$

(e)
$$5^{-3} = \frac{1}{5^3} = \frac{1}{125}$$

= -100000

$$(\mathcal{F}) \left(-\frac{1}{3}\right)^{-4} \approx \left(-1\right)^{4} \cdot \left(\frac{1}{3}\right)^{-4}$$

$$= 1 \times (3)^4 = 81$$

(.62)

(a)
$$2^5 \times 2^9 = 2^{14} \times = 14$$

(b)
$$\frac{5^9}{5^4} = 5^5 \times = 5$$

(c)
$$(4^3)^3 = 4^{21} \times = 21$$

(1)
$$4 = 2^2 \quad \frac{1}{4} = \frac{1}{2^2} = 2^{-2} \quad \times = -2$$

(e)
$$9=3^2$$
 $23=3^3$

$$\frac{9^{2} \times 3}{23^{2}} = \frac{3^{4} \times 3}{3^{6}} = \frac{1}{3} = 3^{-1} \times = -1$$

$$(F)$$
 $25 = 5^2$
 $25^3 = (5^2)^3 = 5^6$ $5^3 = \frac{5^6}{5^8}$ $x = 3$

$$(3^{4} \times 8^{2})^{5} = 3^{54} \times 8^{10}$$

$$= 3^{15} \times 8^{6}$$

$$= 3^{15} \times 8^{6}$$

$$= 3^{15} \times 8^{6}$$

$$(-3)^5$$
 y -3^5 .

$$(-3)*(-3)*(-3)*(-3)*(-3)*(-3) = -243$$

Multiplicar un numero pour de números regativos de positivo, de resto

$$\frac{(b)}{(-2^4 \times 3^3)^3 \times \frac{8 \times 27}{(2^3 \times 3^3)^4}} = \underbrace{\frac{(-1)(3^2) \times (3^3) \times 2^3 \times 3^3}{2^{1/2} \times 3^{1/2}}}_{1}$$

$$\frac{(c)}{z^{30} \times z^{53}} = \frac{(-1) \times (z^{2}) \times (5) \times (z)^{\frac{1}{2}}}{z^{30} \times (5^{2})^{\frac{1}{2}}} = \frac{-1 \times z^{21} \times 5^{\frac{1}{2}}}{z^{30} \times 5^{\frac{1}{2}}} = \frac{5}{z^{\frac{1}{2}}}$$

$$= -\frac{5}{512}$$

$$(2^3)^{x} = 2^{3x} = 2^1$$