1.7.1

 $((3 \times 4 \times 7)^2)^{1/2} = 84$

1.7.3) (a)
$$4^{5/2} = 4^{5 \cdot \frac{1}{2}} = (2^{\frac{1}{2}})^{\frac{2}{2} \cdot \frac{1}{2}} = 32$$

(c)
$$23^{5/3} = (3^3)^{5/3} = 3^5 = 243$$

$$(3) \qquad (-8)^{-4/3} = \frac{1}{(-8)^{4/3}} = \frac{1}{(-2^3)^{4/3}} = \frac{1}{(-1)^{4/3} \cdot (2^3)^{4/3}} = \frac{1}{18}$$

(4. F.)

(v)
$$x^4 = 4$$
 $x^2 = 2$

$$(x^2)^2 = 2$$
 1.4° \(\times 3.84 \) y 1.5° \(\times 5.06 \)

41/4 esta entre 1.4 y 1.5. Sí

(6) NO hoy número cuya 4 potencia sea negativa.

(a)
$$(5^{1/3})^2 \times 5^{4/3} = 5^{2/3} \times 5^{4/3} = 5^{2/3} + 1/3) = 5^2 = 25$$

$$(6)$$
 $(-2^{1/3})^9 = -2^3 = -8$

(c)
$$(12^{1/2})^{3/2} \times 3^{1/4} \times 2^{1/2}$$

 $= (1 \times 2^3)^{3/4} \times 3^{1/4} \times 2^{1/2}$
 $= 3^{3/4} \times 2^{3/2} \times 3^{1/4} \times 2^{1/2}$
 $= 3 \times 2^2 = 3 \times 4 = 12$

$$\frac{(8)^{2} \times (3)^{3/5}}{z^{3/5} \times 5^{-1/5}} = \frac{z^{19/5} \times 5^{9/5} \times 5^{1/5}}{z^{3/5}}$$

$$= \frac{z^{3/5} \times 5^{2} = 8 \times 25 = 200}{z^{3/5}}$$