(b)
$$9/4 + 7/4 = 4$$

2.18)

$$(6) (s-t)^{2}/(t+6) = (s-(-7))^{2}/-1$$

$$= \frac{12^{2}}{3} = -144$$

(c)
$$\frac{t^3}{t^3} = t^2 = (-1)^2 = 49$$

$$(3) \quad 2(-7)^2 - 3+7/7 + 6$$

$$98 + 3 + 8 = 109$$

(a)
$$x^{20}$$
 (b) $16K^4 \cdot 27K^6 = 432K^{10}$ (c) $\sqrt{16+e^2} = 22e^4 5e^2$

$$(a) \frac{1}{1} = r^{-4}$$

$$(a) \frac{1}{r^{4}} = r^{-4} \qquad (b) \frac{16 t^{3}}{14 t^{3}} = \frac{8}{7}$$

$$(8) \quad {}^{4/3} \cdot (r^{1/3})^2 = r^{4/3} \cdot r^{1/3}$$

$$\frac{(c)}{(40^2)(20^4)} = \frac{20^2}{3}$$

* (a)
$$\frac{3r^2}{2r^8} \cdot \frac{3r^2}{5r^2} \cdot \frac{76}{3r^2} = \frac{3r^2}{5}$$

$$= \frac{2r^{-4/2}}{q} = \frac{2}{qr}$$

(a)
$$(-2)^{-3} = \frac{1}{(-2)^5} = \frac{1}{-8} = -\frac{1}{8}$$

(6)
$$\frac{1}{4^{-2}} = 4^2 = 16$$
 (c) $\frac{6^{-1} r^{-3} r^2}{r^5} = \frac{r^5}{r^5 \cdot C \cdot 6} = \frac{1}{6 r^6}$

$$(a)$$
 $(6\left(\frac{x}{2}-\frac{3}{4}\right)=8x-12$

$$x_{s} + d + 1 = x_{s} + 10$$

2.26)

(a)
$$(7-3x) + (5x-8)$$
 (b) $y^3 - y^2 - 7$

$$2.27)$$

$$2(t^{2} - 4t + 1) - t(t+4) = 2t^{2} - 8t + 2 - t^{2} - 7t$$

$$= t^{2} - 15t + 2$$

2.28)

2.29)

(0)
$$x^4 - 6x = x(x^3 - 6)$$

(6)
$$16r^3-4=4(4r^3-1)$$

(c)
$$-24x^2 + 8x^5 = 8x^2(-3 + x^3)$$

2.30)

(a)
$$7-6=1$$
 $3+\frac{8(6)-36}{2}=3+6=9$
 $1\times 3=3$

(b)
$$(7-x)\cdot 3 = -3x + 21$$

$$-3x+21 + \frac{9x-36}{2} = -3x+21 + 4x - 18$$

$$= x + 3$$

El rosultado de la expresión es x+3. Dor la tanta el número prinsado es 3 menos que el resultado.

2.31)

$$(x^{2}-3)(2x+5)$$
(6) (28+3) (3-58)

$$(a) \frac{5(x^2-2)}{q} = \frac{x^2-2}{3}$$

$$\frac{s(1-sx)}{s(1-sx)}=-4$$

$$\frac{\alpha^{3}-\alpha}{\alpha^{4}-\alpha^{2}} = \frac{\alpha(\alpha^{2}-1)}{\alpha^{2}(\alpha^{2}-1)} = \frac{1}{\alpha}$$

$$\frac{155(5_{5}+5+1)}{125_{3}(5_{5}+5+1)} = \frac{4}{25_{5}} = \frac{4}{25_{5}}$$

$$\frac{2.33}{\frac{1}{2} \times (x-1)} = \frac{x-1}{4(x-1)(3x)} = \frac{1}{12x}$$

(a)
$$\frac{3x}{5} - \frac{11}{40x} = \frac{24x^2}{40x} - \frac{11}{40x} = \frac{24x^2 - 11}{40x}$$

$$\frac{1}{10r} = \frac{1}{10r} = \frac{1}$$

(c)
$$\frac{2}{8z^3} - \frac{3-2}{3-2} - \frac{2z}{8z^4} - \frac{12-4z}{8z^4} - \frac{6z-12}{8z^4}$$

$$= \frac{\cancel{3}(2-2)}{\cancel{3}2^{4}} = \frac{32-6}{42^{4}}$$

$$\frac{\alpha(\alpha^2-1)}{\alpha^2-1} + \frac{1}{7\alpha} = \alpha + \frac{1}{7\alpha} = \frac{7\alpha^2}{7\alpha} + \frac{1}{7\alpha} = \frac{7\alpha^2+1}{7\alpha}$$

2.35

$$\frac{1}{z^2+1} - \frac{1}{z^2}$$

$$\frac{z^{2}}{z^{2}(z^{2}+1)} - \frac{z^{2}(z^{2}+1)}{z^{2}(z^{2}+1)} = -\frac{1}{z^{2}(z^{2}+1)}$$