RADIGAL EQUATIONS

Solve.

$$\sqrt{3x+4} - \sqrt{x+2} = 2$$
 $\sqrt{3x+4} - \sqrt{x+2} = 2$ 
 $\sqrt{3x+4} = (2+\sqrt{x+2})(2+\sqrt{x+2}) = -2$ 
 $3x+4 = (4+\sqrt{x+2})(2+\sqrt{x+2}) = -2$ 
 $3x+4 = (4+\sqrt{x+2})(2+\sqrt{$ 

$$\frac{A}{(x+3)(x-2)} = \frac{A}{x'+3} + \frac{B}{x'+2}$$

$$\frac{Ax'+B}{(x^2+4)(x^3+7)} = \frac{Ax'+B}{x^2+4} + \frac{Cx^2+Dx+E}{x^3+7}$$

$$\frac{A}{(x-5)^2(x+3)} = \frac{A}{(x'-5)^2} + \frac{B}{(x'-5)^1} + \frac{C}{x+3}$$

$$\frac{X^3(4x+1)}{(x-3)^3(4x+1)} = \frac{A}{x^3} + \frac{B}{x^2} + \frac{C}{x'} + \frac{A}{4x+1}$$

$$\frac{\int 0 x^{2} + 24x + 8}{(x^{3} + 3x^{2} + 4x + 12)} = - +$$

$$\frac{\int x^{2} + 24x + 8}{(x^{4} + 3)(x^{2} + 4)} = \frac{A}{x^{4} + 3} + \frac{Bx + C}{x^{2} + 4}$$

$$\frac{\int x^{2} + 24x + 8}{(x^{4} + 3)(x^{2} + 4)} = \frac{A}{x^{4} + 3} + \frac{Bx + C}{x^{2} + 4}$$

$$\frac{\int x^{2} + 24x + 8}{(x^{4} + 3)(x^{2} + 4)} = A(x^{2} + 4) + (x^{4} + 3)(Bx + C)$$

$$\frac{\int x^{2} + 24x + 8}{(x^{4} + 3)(x^{2} + 4)} = A(x^{2} + 4) + Bx^{2} + Cx + 3Bx + 3x$$

$$\frac{\partial x}{\partial x^{4}} = 0 + 3B + C$$

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