RADIGAL EQUATIONS

Solve.

$$\sqrt{3x+4} - \sqrt{x+2} = 2$$
 $\sqrt{3x+4} = (2+\sqrt{x+2})$
 $3x+4 = (2+\sqrt{x+2})(2+\sqrt{x+2})$
 $4x^2-4x-4x+4 = (6x+3)2$
 $4x^2-4x-4x+4 = (6x+3)2$
 $4x^2-34x-38 = 0$
 $4(x^2-34x-38 = 0)$
 $4(x-3)(x+1)=0$
 $x=7$
 $x=7$

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

$$\frac{A}{(x^2+4)(x^3+7)} = \frac{Ax^1 + B}{x^2+4} + \frac{Cx^2 + Dx + E}{y^3+7}$$

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

$$\frac{A}{(x-6)^3} + \frac{B}{x^2} + \frac{C}{x} + \frac{D}{4x+1}$$

$$\frac{10 x^{2} + 24x + 8}{x^{3} + 3x^{2} + 4x + 12}$$

$$\frac{10 x^{2} + 24x + 8}{(x + 3)(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x + 3)(x^{2} + 4)} = \frac{A}{(x + 3)(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x + 3)(x^{2} + 4)} = \frac{A}{(x + 3)(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x + 3)(x^{2} + 4)} = \frac{A}{(x + 3)(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x + 3)(x^{2} + 4)} = \frac{A}{(x + 3)(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x + 3)(x^{2} + 4)} = \frac{A}{(x + 3)(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)(x^{2} + 4)} = \frac{A}{(x + 3)(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)(x^{2} + 4)} = \frac{A}{(x + 3)(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)(x^{2} + 4)} = \frac{A}{(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)(x^{2} + 4)} = \frac{A}{(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)} = \frac{A}{(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)} = \frac{A}{(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)} = \frac{A}{(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)} = \frac{A}{(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)} = \frac{A}{(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)} = \frac{A}{(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)} = \frac{A}{(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)} = \frac{A}{(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)} = \frac{A}{(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)} = \frac{A}{(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)} = \frac{A}{(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)} = \frac{A}{(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)} = \frac{A}{(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)} = \frac{A}{(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)} = \frac{A}{(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x + 8}{(x^{2} + 4)}$$

$$\frac{10 x^{2} + 24x +$$