Day 2 HW

Tuesday, January 27, 2015 10:17 AM

• p. 812: 50-70 even

 $50\frac{1}{y} \quad 52\frac{y^2 + 4y}{y - 1} \quad 5\frac{x^2}{2y^2} \quad 53\frac{3}{8} \quad 58-2x \quad 60\frac{x + 4}{x - 2}$ $\overline{\mathcal{D}} \frac{1}{\mathbf{b} - \mathbf{a}}$ solutions $50 y'(y^{2}+2y+4). (y+2)(y^{2}+2y+4) = \frac{1}{y} \qquad (3y+2)(y+4). (y+2) = \frac{y(y+4)}{y-1} = \frac{1}{y-1}$ $\frac{(x+y)(x-y)}{2xy} \cdot \frac{^{2}4x^{2}y}{(y-x)(y+x)} = \frac{2x(x-y)}{(-x+y)} = \frac{2x(x-y)}{-(x-y)} = \frac{-2x}{-2x}$ $\bigotimes_{X-2} \frac{3}{x-2} + \frac{x+1}{x-2} = \frac{x+4}{x-2} \qquad \bigotimes_{X+3} \frac{5}{(x+3)(x-2)(x+2)} - \frac{2(x+2)(x+3)}{(x-2)(x+2)} + \frac{4}{(x+2)(x+3)} \frac{(x+3)}{(x+2)(x+3)}$ $\frac{5(x+2) - 2(X^2 + 5x+6) + 4x + 12}{(x+3)(x^2 - 4)}$ $\frac{5x + 10 - 2x^2 - 10x - 12 + 4x + 12}{x^3 + 3x^2 - 4x - 12}$ $\begin{array}{c} 64 \\ y + x \\ xy \\ y^2 - x^2 \\ y^{\pm x} \\ (y \pm x)(y - x) = y - x \end{array}$ $\frac{-2x^2 - x + 10}{x^3 + 3x^2 - 4x - 12}$ $\begin{array}{c} 66 \\ 2 \\ x + 10 \\ x + 5 \\ x + 5 \\ x + 5 \\ 2x \\ x - 6 \\ x + 5 \\ 2(k - 3) \\ y - 2 \\ x + 10 \\ y - 10 \\ y = 2k \frac{1}{x^2 + xh + 2x + 2x + 2h + 4} \frac{1}{k} = \frac{2}{x^2 + xh + 4x + 2h + 4}$ $\begin{array}{c} \hline D & \underline{a+b} \\ ab \\ \hline b^2 - a^2 \\ \hline b^2 - a^2 \\ \hline b - a \\ b^+ \end{array}$