

unlike Pg 5

① $\frac{m+2}{3m(2m-1)} - \frac{5}{3}$ m(2m-1) factor deno. LCD alike unlike x by d) like +/-

$$\frac{m+2 - 5m(2m-1)}{3m(2m-1)}$$

$$\frac{(m) + 2 - 10m^2 + (5m)}{3m(2m-1)}$$

$$\frac{(-10m^2 + 6m + 2)}{3m(2m-1)}$$

$$\frac{-2(5m^2 - 3m - 1)}{3m(2m-1)}$$

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③ $\frac{3K}{2} + \frac{5K+4}{2K(K+6)}$

$$\frac{3K^2(K+6) + 5K+4}{2K(K+6)}$$

$$\frac{3K^3 + 18K^2 + 5K + 4}{2K(K+6)}$$

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5) $\frac{3a}{(a-1)(a-3)} + \frac{-3}{(a-3)(a-1)}$

$$\frac{3a^2 - 9 - 3a + 3}{(a-1)(a-3)}$$

$$\frac{3(a^2 - 4a + 1)}{(a-1)(a-3)}$$

$$\frac{3a^2 - 12a + 3}{(a-1)(a-3)}$$

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7) $\frac{3}{4n(n-3)} + \frac{(5n+3)4n}{(n-3)4n}$

$$\frac{3n-9 + 20n^2 + 12n}{4n(n-3)}$$

$$\frac{20n^2 + 15n - 9}{4n(n-3)}$$

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9) $4(x^2 + x + 4)$
 $(x-4)(x+5)$

11) $\frac{2n^2+3n+4}{n^2+3n+2}$

13) $\frac{Rn^2-20n-8}{(n-2)(n-4)}$ $\frac{2(3n+1)}{n-2}$

$$\frac{6n \cdot 2 + 4}{(n-2) \cdot 2} = \frac{12n + 4}{2(n-2)}$$

$$= \frac{2(3n+1)}{2(n-2)}$$

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11) $\frac{4}{2} + \frac{-3n \cdot 2}{(n+2)(n+1)}$

$$\frac{4n^2 + 12n + 8 - 6n}{2(n+2)(n+1)}$$

$$\frac{4n^2 + 6n + 8}{2(n+2)(n+1)}$$

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Evans : HW

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