

+/- Rational Functions: Pg 4

①  $\frac{a-4b}{15a} + \frac{a+4b}{15a} = \frac{2a}{15a}$

③  $\frac{2(3m-2n)}{6m-4n} = \frac{(3m-2n)}{3n} \cdot \frac{2/15}{2/15}$

⑤  $\frac{(2u+3v)}{6uv^2}$

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⑦  $\frac{(7x-10)}{3x^2+9x-12} = \frac{7x-10}{3(x+4)(x-1)}$

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

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⑪  $\frac{3(2n-1)}{2(2n-5)} = \frac{2n-1}{2(n-5)}$

⑫  $\frac{(v+1)}{(5v+4)(v+2)}$

⑬  $\frac{(11v+4)}{(v-5)(v+2)}$

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⑨  $\frac{3v}{2v+6} = \frac{2(v-2)}{2v-4} = \frac{2v+6}{2(v+3)} = \frac{v-2}{v+3}$

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⑬  $\frac{3x}{24x^2y^4} = \frac{-x-4y}{(x+4y)} = \frac{2(x-2y)}{24x^2y^4} = \frac{x-2y}{12x^2y^4}$

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⑮  $\frac{x-6y-x-6y}{12x} = \frac{-12y}{12x} = \frac{-y}{x}$

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$$\textcircled{17} \frac{1}{3x^3}$$

$$\frac{\cancel{12}x^3}{3} \quad \cancel{123}$$

$$\textcircled{19} \frac{(x-3)}{(5x-30)}$$

$$\frac{(2x+3)}{(2x+6)}$$

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