

November 30, 2016

$$\frac{19}{36x^3} + \frac{5}{48y^3} = \frac{19 \cdot (4y^3) + 5 \cdot (3x^3)}{144x^3y^3}$$

$n = 36x^3$ $d = 48y^3$

$CD: n \cdot d = 1728x^3y^3$

$LCD: 2^4 \cdot 3^2 = 16 \cdot 9 = 144$

$$= \frac{76y^3 + 15x^3}{144x^3y^3}$$

$36 = 2^2 \cdot 3^2$

$48 = 2^4 \cdot 3$

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$$\frac{76y^3 + 15x^3}{144x^3y^3} \leftarrow CD$$

$$\frac{76y^3}{144x^3y^3} + \frac{15x^3}{144x^3y^3}$$

$$\frac{19}{36x^3} + \frac{5}{48y^3}$$

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$$\frac{5}{24n^2} + \frac{17}{36n^2}$$

$LCD: 72n^2$

$$\frac{5 \cdot 3n + 17 \cdot 2n}{72n^2}$$

$$\frac{15n + 34n}{72n^2}$$

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7.3
#42

$$4b^2 - 5b - 8$$

$b^2 \leftarrow CD$

$\frac{4b^2}{b^2}$	$-\frac{5b}{b^2}$	$-\frac{8}{b^2}$
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$$\frac{4}{1} - \frac{5}{b} - \frac{8}{b^2}$$

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