Fill In The Blanks…

**Adding and Subtracting Algebraic Fractions**

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| **Question** | **With a Common Denominator** | **Unsimplified Answer** | **Simplified Answer** (where possible) |
| $$\frac{x}{4}+\frac{7x}{20}$$ | $$\frac{5x}{20}+\frac{7x}{20}$$ | $$\frac{12x}{20}$$ |  |
| $$\frac{7x}{18}-\frac{2x}{9}$$ | $$\frac{7x}{18}-\frac{4x}{18}$$ |  |  |
| $$\frac{2x}{3}+\frac{x}{4}$$ |  |  |  |
| $$\frac{17x}{30}+\frac{x}{10}$$ |  |  |  |
| $$\frac{x}{6}+\frac{11x}{24}$$ |  |  |  |
| $$\frac{3x}{4}-\frac{7x}{36}$$ |  |  |  |
| $$\frac{7}{2x}+\frac{3}{x}$$ |  |  |  |
| $$\frac{6}{5x}-\frac{9}{20x}$$ |  |  |  |
| $$\frac{5}{x}+\frac{2}{x^{2}}$$ |  |  |  |
|  |  | $$\frac{3-y}{xy}$$ |  |
|  |  | $$\frac{7x+6}{4x^{2}}$$ |  |
| $$\frac{3}{10xy}-\frac{2}{x^{2}}$$ |  |  |  |