

Perform the indicated operation and write your answer as a single reduced fraction

$$1. \frac{1}{x} + \frac{6}{x+7} =$$

Perform the indicated operation and write your answer as a single reduced fraction

$$2. \frac{6}{x+5} - \frac{5}{x-2} =$$

Perform the indicated operation and write your answer as a single reduced fraction

$$3. \frac{2}{x} - \frac{5}{x+3} + \frac{7}{x-2} =$$

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$$4. \frac{1}{x} + \frac{2}{x-3} =$$

$$5. \frac{5}{x+4} - \frac{2}{x+1} =$$

$$6. \frac{1}{x} + \frac{3}{x+1} + \frac{1}{x-5} =$$

Perform the indicated operation and write your answer as a single reduced fraction

1. 
$$\frac{3}{x+8} + \frac{1}{(x+8)^2} =$$

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$$2. \quad \frac{2}{3x} - \frac{5}{x-4} + \frac{7}{(x-4)^2} =$$

Perform the indicated operation and write your answer as a single reduced fraction

$$3. \quad \frac{1}{x} + \frac{3}{x+1} + \frac{1}{(x+1)^2} =$$

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