Name Score

Simplify the complex fraction.

$$1)\frac{4+\frac{2}{x}}{\frac{x}{3}+\frac{1}{6}} = \frac{\frac{4}{1}+\frac{2}{x}}{\frac{2}{1}+\frac{1}{6}} = \frac{\frac{4}{1}+\frac{2}{x}}{\frac{2}{1}+\frac{2}{1}+\frac{2}{x}} = \frac{\frac{4}{1}+\frac{2}{x}}{\frac{2}{1}+\frac{2}{x}} = \frac{\frac{4}{1}+\frac{2}{x}}{\frac{2}{1}+\frac{2}{x}} = \frac{\frac{4}{1}+\frac{2}{x}}{\frac{2}{1}+\frac{2}{x}} = \frac{\frac{4}{1}+\frac{2}{x}}{\frac{2}{1}+\frac{2}{x}} = \frac{\frac{4}{1}+\frac{2}{x}}{\frac{2}{1}+\frac{2}{x}} = \frac{\frac{4}{1}+\frac{2}{x}}{\frac{2}{1}+\frac{2}{x}} = \frac{\frac{4}{1}+\frac{2}{x}}{\frac{2}} = \frac{\frac{4}{1}+\frac{2}{x}}{\frac{2}{x}} = \frac{\frac{4}{1}+\frac{2}{x}}{$$

Remote
$$x \neq 0, \frac{1}{2}$$

Remote $x \neq 0, \frac{1}{2}$

Simplify the expression in two ways using method I and method II and using only positive exponents in your answer.

$$2)\frac{m^{-1}+z^{-1}}{m^{-1}-z^{-1}} = \frac{m}{m} + \frac{z}{z} = \frac{z+m}{mz} = \frac{z+m}{mz} = \frac{z+m}{z-m}$$