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## 30 Problems in Reducing Complex Fractions to Simple Fractions

(Part 1)

## PROBLEMS

Reduce the following complex fractions to simple fractions.

1. $\frac{\frac{a}{2}-\frac{b}{a}}{1+\frac{1}{a}}$.
2. $\frac{1+\frac{1}{c}}{a+\frac{1}{a}}$.
3. $\frac{\frac{c}{c-1}-1}{1-\frac{c}{c+1}}$.
4. $\frac{\frac{a+b}{x+y}}{\frac{a^{2}-b^{2}}{x^{2}-y^{2}}}$.
5. $1-\frac{1}{1+\frac{1}{a}}$.
6. $\frac{1}{1-\frac{1}{1+\frac{1}{n}}}$.
7. $\frac{\frac{4}{x}}{\frac{2}{x y}}$.
8. $\frac{\frac{9}{8 x y^{2}}}{\frac{5}{4 x^{2}}}$.
"Only he who never plays, never loses."
