

Zuerst Zähler und Nenner **faktorisieren**, dann **kürzen**!

Beispiel: $\frac{10x+5}{8x+4} = \frac{5(2x+1)}{4(2x+1)} = \frac{5}{4}$

1. $\frac{2+2a}{a+1} =$

2. $\frac{3-6x}{4-8x} =$

3. $\frac{6x+x^2}{x+6} =$

4. $\frac{3y-2}{2-3y} =$

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

6. $\frac{9+a}{a^2-81} =$

7. $\frac{4u-u^3}{3u-6} =$

$$8. \frac{9x^2+12x+4}{3x+2} =$$

$$9. \frac{25x}{5-10x} =$$

$$10. \frac{5b^3}{10b-25b^2} =$$

$$11. \frac{11+c}{c^2-121} =$$

$$12. \frac{d^3-d^2x}{d^2x-dx^2} =$$

$$13. \frac{6r^2-6}{(r+1)(r-1)} =$$

$$14. \frac{4s-4}{s^2-2s+1} =$$

$$15. \frac{3b-9}{b^2-6b+9} =$$

$$16. \frac{5a^2-5b^2}{(a+b)^2} =$$