1. What is wrong with the following student's solution?
$\frac{4 x+5}{x+2}>3$
$4 \mathrm{x}+5>3(\mathrm{x}+2)$
$4 \mathrm{x}+5>3 \mathrm{x}+6$
$\mathrm{x}>1$
2. What is wrong with the following student's solution?
$(x-5)(x+2)>0$
$\mathrm{x}-5>0$ or $\mathrm{x}+2>0$
$x>5$ or $x>-2$
3. Solve the inequality $x^{2}-2 x-3>0$ by considering the graph of $y=x^{2}-2 x-3$. Use the same method to solve the inequality $|x+3|<1$ (that is, first draw the graph of $y=|x+3|)$.
