

a)
Write $\frac{-6 \pm \sqrt{44}}{2}$ in the form $a \pm \sqrt{b}$.

Can we write the fraction as two separate fractions?	$\frac{-6}{2} \pm \frac{\sqrt{44}}{2}$
Can the two fractions be simplified?	$\frac{-6}{2} = -3$ $\frac{\sqrt{44}}{2} = \frac{\sqrt{44}}{\sqrt{4}} = \sqrt{11}$
What is our original expression in the form $a \pm \sqrt{b}$?	$-3 \pm \sqrt{11}$

b)
Write $\frac{-12 \pm \sqrt{108}}{6}$ in the form $a \pm \sqrt{b}$.

Can we write the fraction as two separate fractions?	$\frac{-12}{6} \pm \frac{\sqrt{108}}{6}$
Can the two fractions be simplified?	
What is our original expression in the form $a \pm \sqrt{b}$?	

c)
Write $\frac{-20 \pm \sqrt{96}}{4}$ in the form $a \pm \sqrt{b}$.
