Quiz solution:

1. Plug in $(1,2)$ into $-2x+y \geq 5$

If false then we want shade the side of the line that contains $(1,2)$.

$$-2(1)+2 \overset{?}{\geq} 5$$

$$0 \geq 5 \leftarrow \text{false}$$

So we do indeed want to shade the side of the line $-2x+y=5$ that contains $(1,2)$

Ans: True

2. Plug in $x=-6$ $y=5$ $z=0$ check it satisfies all 3 eqns

$$\begin{cases} -6+5+0=-1 \checkmark \\ -12+15+0=3 \checkmark \\ -12+5+0=-7 \checkmark \end{cases}$$

True