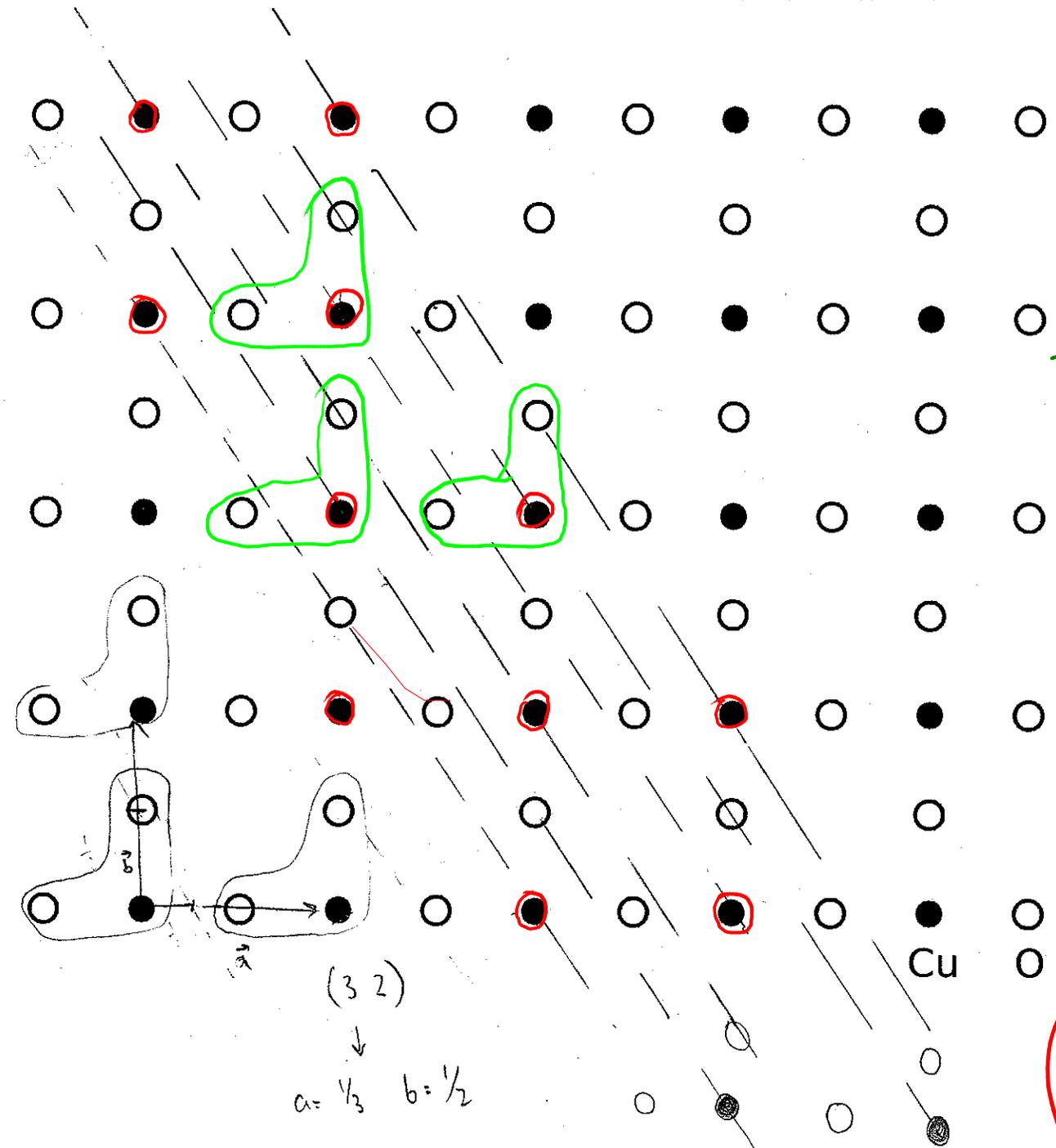


Identify primitive basis and primitive BL. Draw (32) lattice lines.



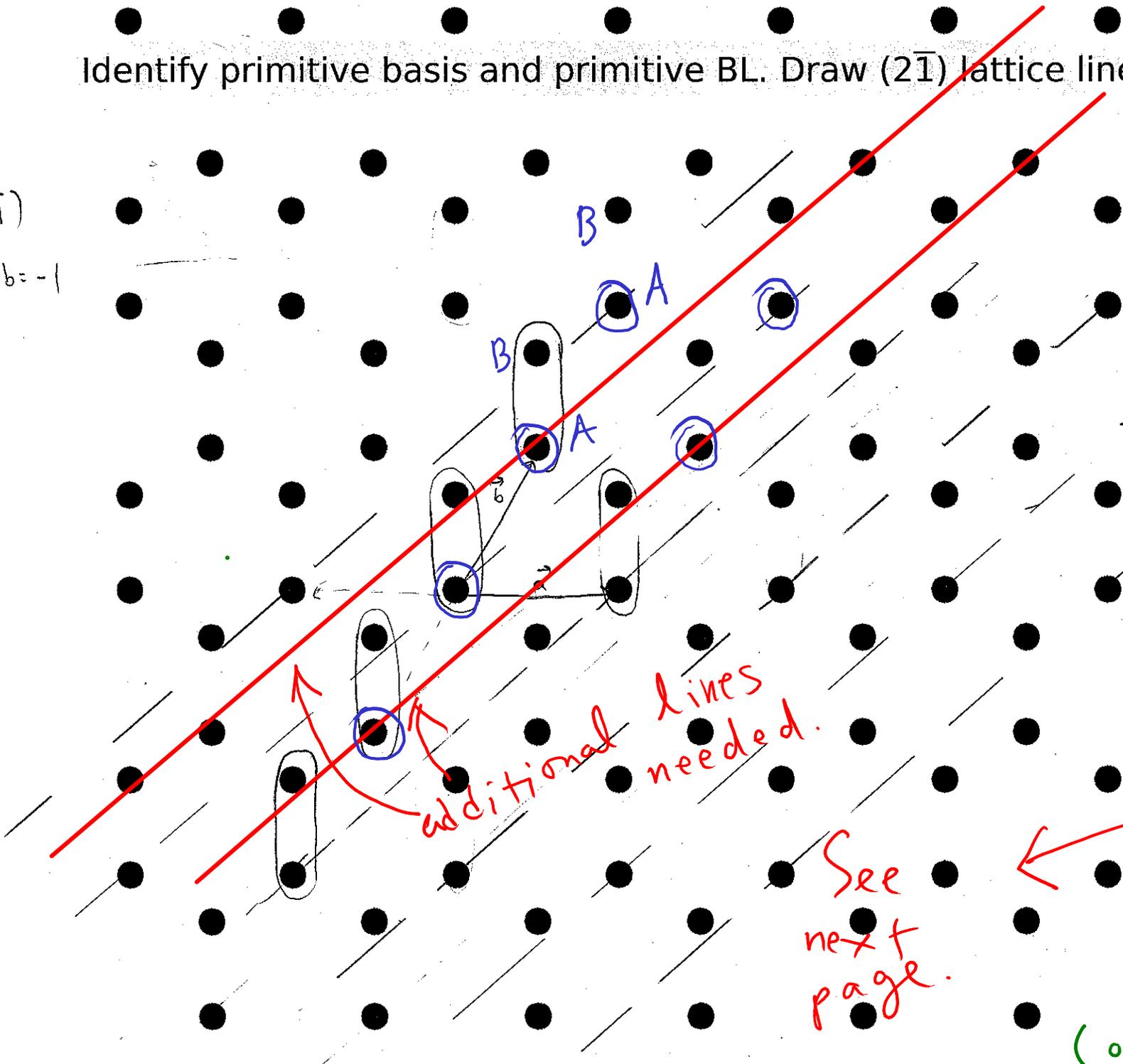
This is great!

note that lattice lines pass through all Cu atoms.

(or all BL points!)

Identify primitive basis and primitive BL. Draw  $(2\bar{1})$  lattice lines.

$(2\bar{1})$   
 $a = \frac{1}{2} \quad b = -1$

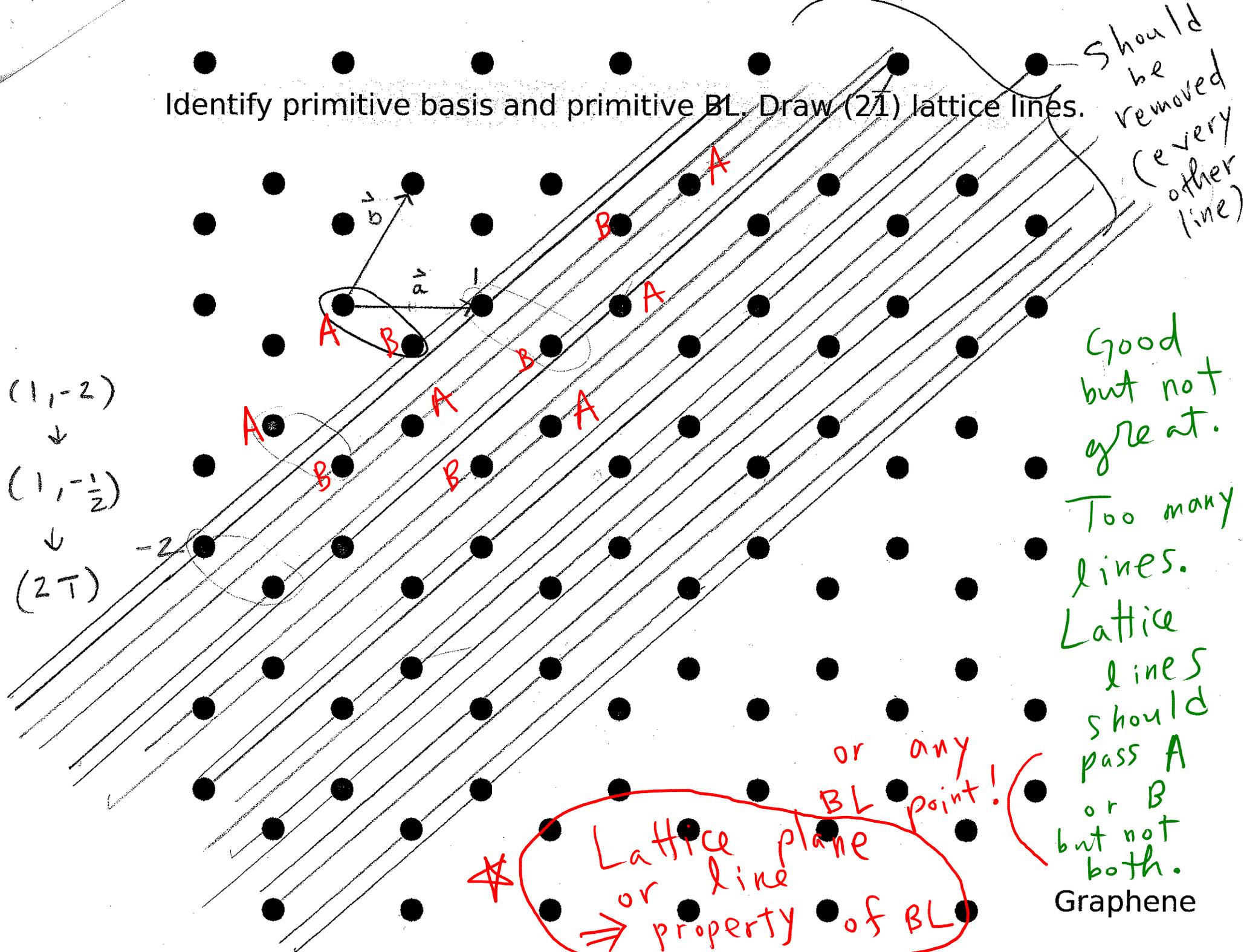


Good  
but  
not  
great.  
There  
are two  
C atoms  
per basis  
(A and B)  
Lattice  
lines  
must  
pass all  
A atoms.

See  
next  
page.

Graphene  
(or 13)

Identify primitive basis and primitive BL. Draw (21) lattice lines.



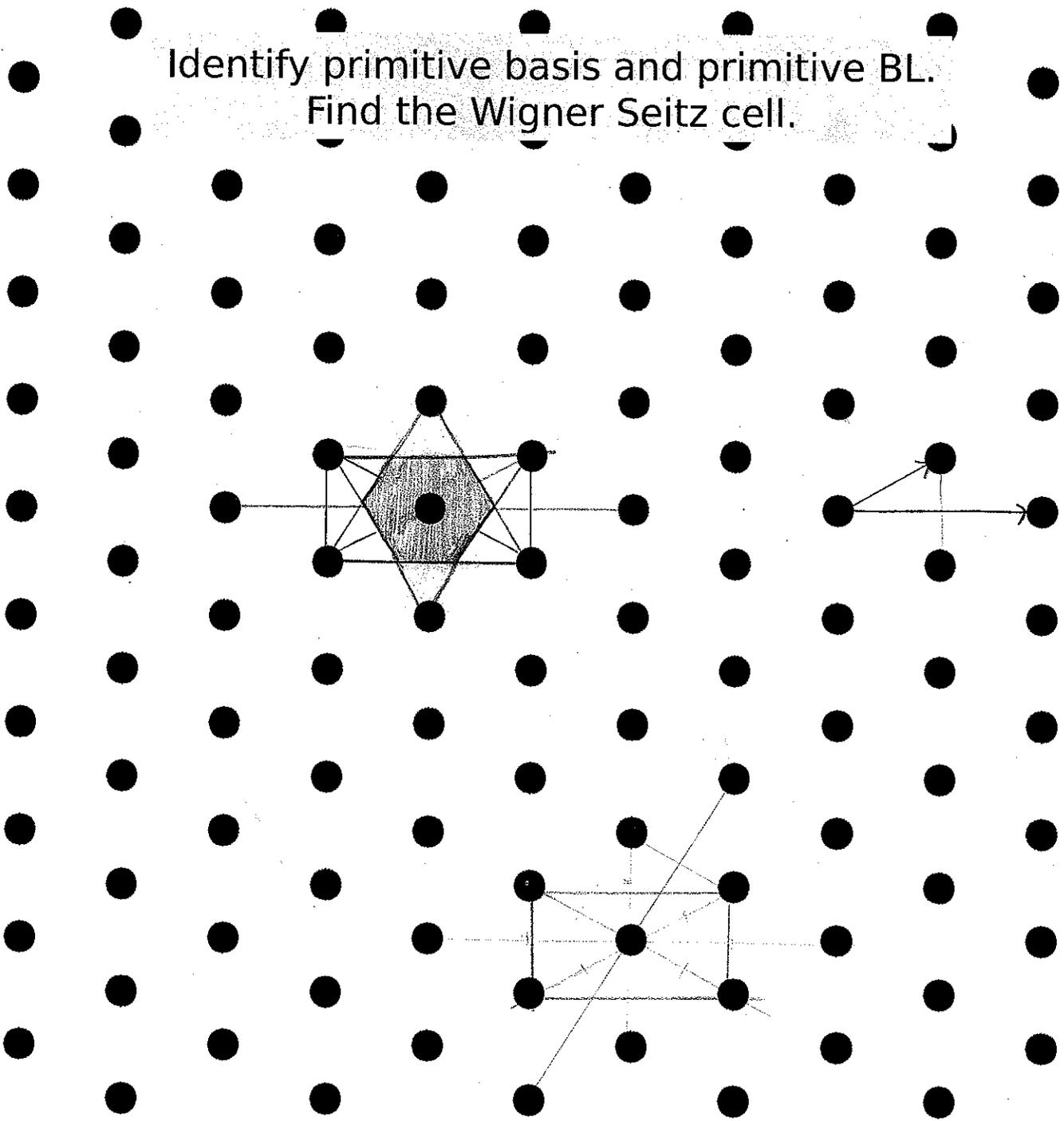
Should be removed (every other line)

$(1, -2)$   
 $\downarrow$   
 $(1, -\frac{1}{2})$   
 $\downarrow$   
 $(2, -1)$

Good but not great.  
 Too many lines.  
 Lattice lines should pass A or B but not both.  
 Graphene

★ Lattice plane or line  $\Rightarrow$  property of BL or any point!

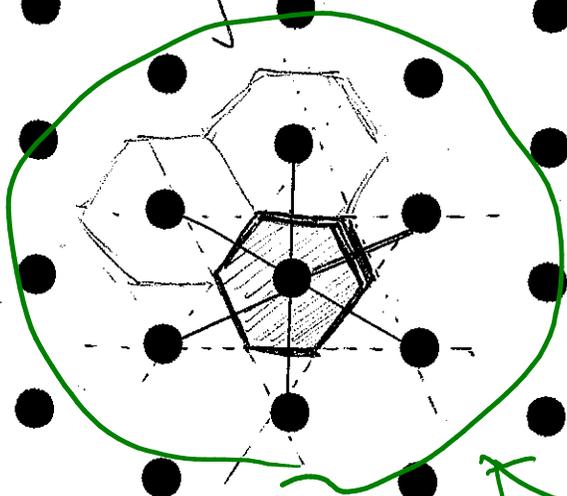
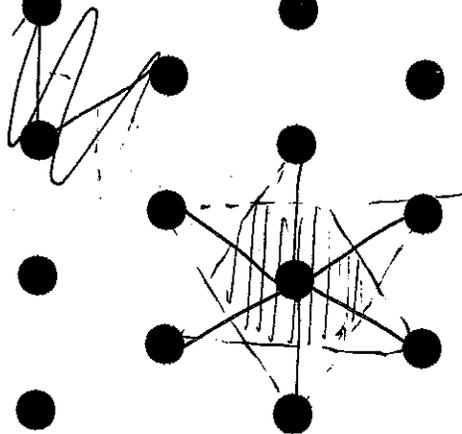
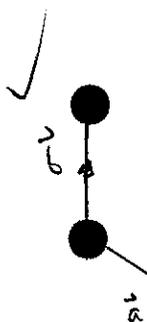
Identify primitive basis and primitive BL.  
Find the Wigner Seitz cell.



Could  
be  
closer to  
the  
regular  
hexagon.

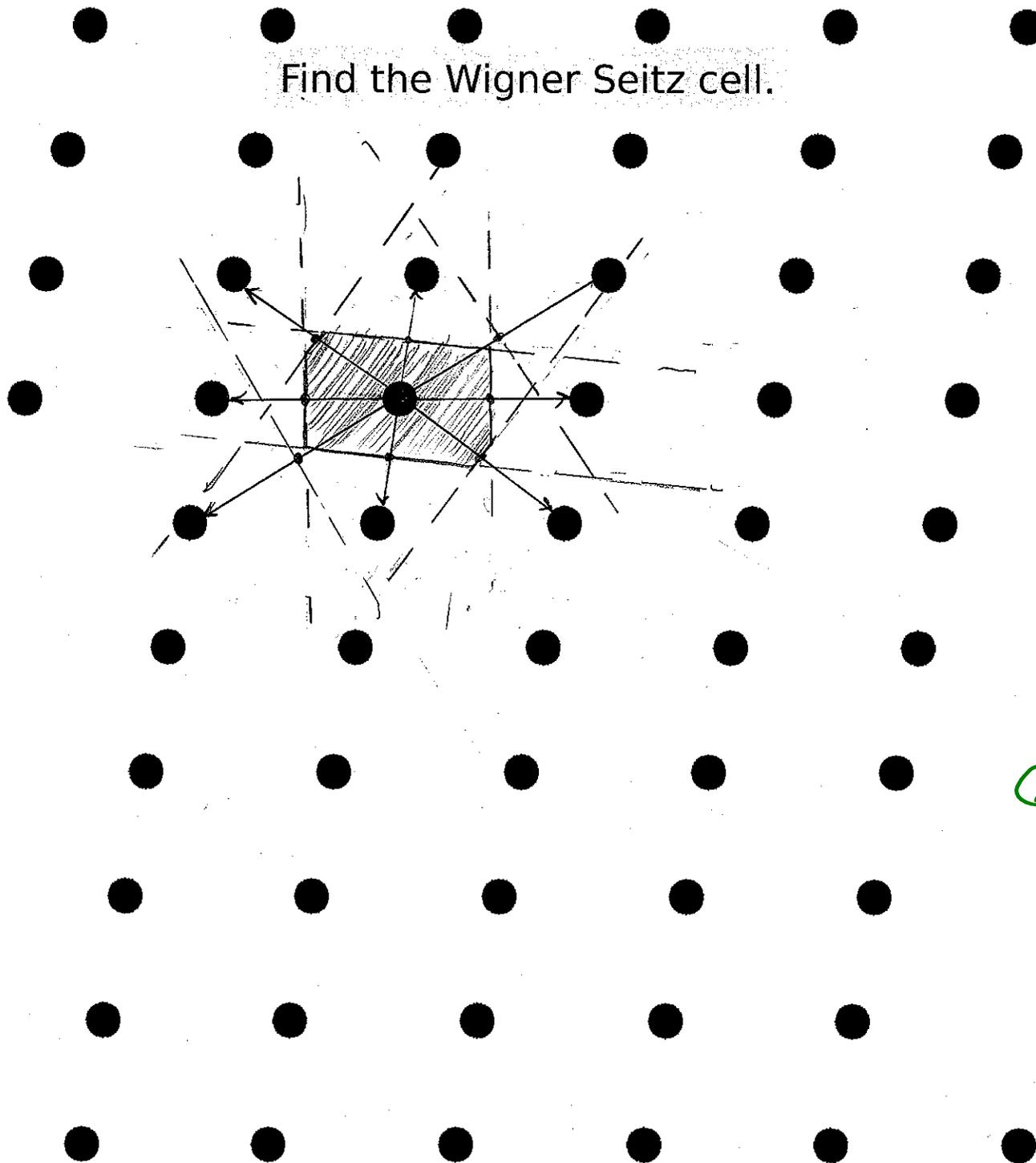
Identify primitive basis and primitive BL.  
Find the Wigner Seitz cell.

p. basis  
●



I like the view of many cells.

Find the Wigner Seitz cell.



This is quite nice!  
Great!