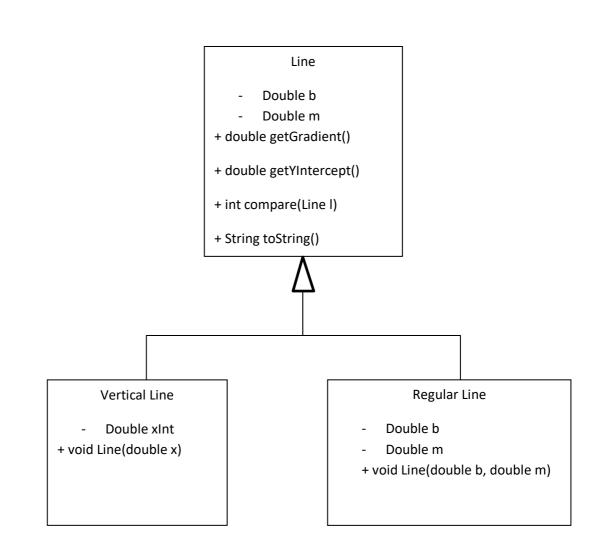
1.

AS a side note, do we need constructors in UML?

Line

- Double b
- Double m
- + void Line(double b, double m)
- + double getGradient()
- + double getYIntercept()
- + int compare(Line I)
- + String toString()

2.



```
3.
Public Line createLine(x1, y1, x2, y2)
{
        If(x1 == x2)
                //vertical line
                Return new VerticalLine(x1);
        Else
        {
                //normal line
                Double m = (y2 - y1) / (x2-x1);
                Double b = y1 - gradient * x1;
                Return new RegularLine(b, m);
        }
}
4.
Fairly obvious,
Compare returns 1 if this instance is greater, 0 if even, -1 if the parameter is greater
5.
Again, fairly obvious. Just straight syntax conversion
6.
Have 'horiztonalLine' extend normal line. Add another case in the factory.
```