A law office plans to do some landscaping around their building. They have two estimates.

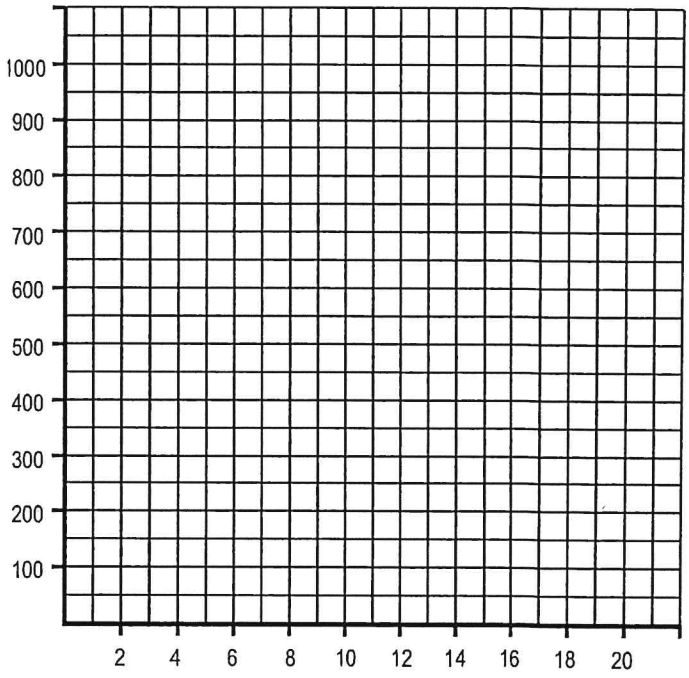
Company A: $240 for a full landscape plan, plus $30 per hour to do the work.
Company B: $60 per hour to do the work (this includes the landscape plan).

a) Write an equation to represent each company where **C** is cost and **h** is the number of hours.

Company A: _____ Company B: _____

b) Complete the table of values for each company. Graph the data. Label fully.

Company A		Company B	
Time (h)	Cost ($)	Time (h)	Cost ($)
0		0	
2		2	
4		4	
6		6	
8		8	
10		10	
12		12	
14		14	
16		16	



c) (i) What is the point of intersection? _____

(ii) What does this mean in the context of this scenario?

d) If the job took 5 hours, which company would you choose? How do you know by looking at your graph that your choice is correct?

e) If the job took 19 hours, which company would you choose? How do you know by looking at your graph that your choice is correct?