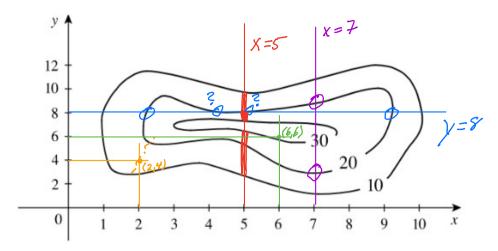
## 11.1 - Using contour maps

Consider the following contour map of a continuous function f(x, y).



- 1. For approximately what values of y is it true that  $10 \leq f(5,y) \leq 30$ ? 3<4<6.5 and 7<4<10
- 2. What do you estimate f(2,4) to be, and why?

3. What do you estimate for f(6,6)? Explain.

Probably a bit more than 30. Certainly less than 40

4. How many values of y satisfy f(7,y)=20? (Hint: Draw a line that includes all the points having coordinates (7, y) where y could be any real number.)

