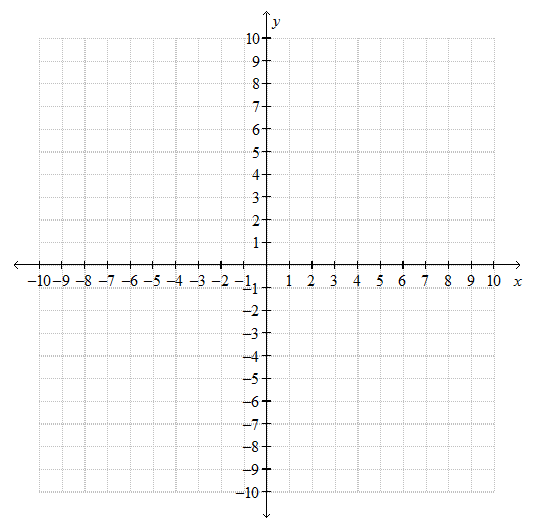
**Unit 1 Test for Karen**

**Part 1 Knowledge Questions.**

**i) Solve for x**

**ii) Graph the following equation**

**Part 2 Application Questions.**

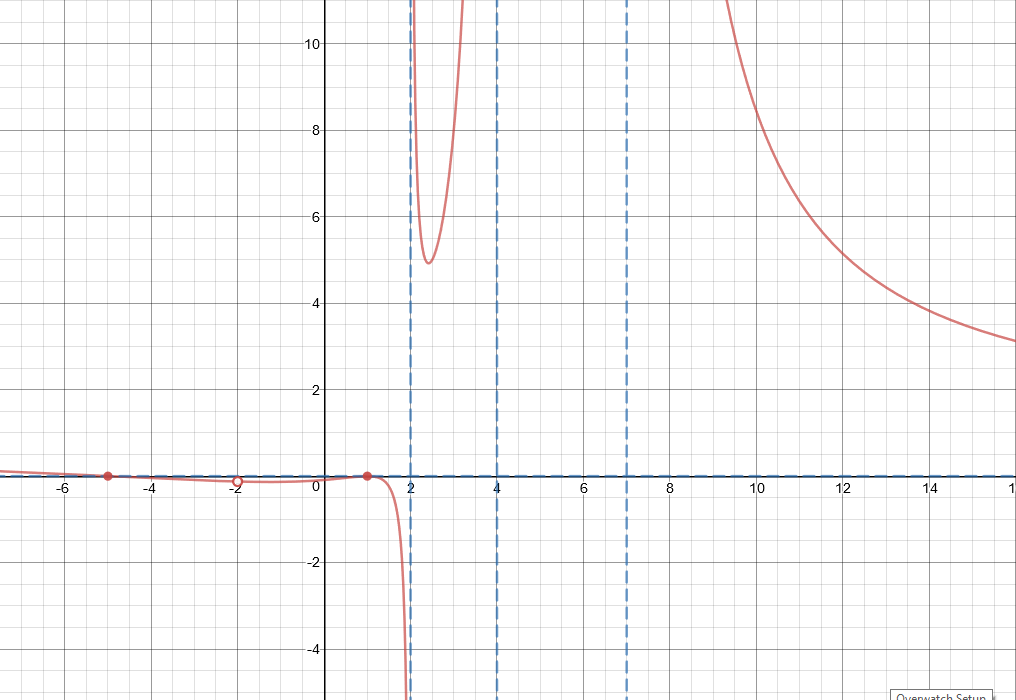
Graph the following equation.

**Part 3 Thinking Problems.**

i) There are cows and chickens in the farm. There are 65 heads and 226 legs. How many chicken are there?

ii) Suggest 3 values for b such that is factorable

iii) Suggest a possible equation for the following graph.



**Part 4 Communication Questions.**

**i) In your own words, explain what is an asymptote. Can a function ever cross an asymptote?**