Clicker questions
Week 3 - Class 1

September 15, 2014

Question 1

Consider the inequality $|x| < a$. What are the solutions?

    A $(-a, a)$

    B $(-\infty, -a) \cup (a, \infty)$

    C $(-a, a)$ if $a \geq 0$; otherwise no solution

    D $(-\infty, -a) \cup (a, \infty)$ if $a \geq 0$; otherwise no solution

Question 2

Consider the inequality $|x| > a$. What are the solutions?

- A $(-a, a)$ if $a < 0$; otherwise every real number is a solution
- B $(-a, a)$ if $a > 0$; otherwise no solution
- C $(-\infty, -a) \cup (a, \infty)$ if $a > 0$; otherwise no solution
- D $(-\infty, -a) \cup (a, \infty)$ if $a > 0$; otherwise every real number is a solution