

Functions.

MA113 Attendance Quiz

August 27, 2014

Quiz 0 (example).

- ① Suppose x is a real number. According to the definition *absolute value* of x is

$$|x| =$$

Answer: $|x| = \begin{cases} x & \text{if } x > 0 \\ -x & \text{if } x \leq 0 \end{cases} .$

- ② If $A = (3, 14)$ and $B = (8, 2)$ are points in the plane . Use the *distance formula* to calculate the distance from A to B is *exactly*.

Answer: $\sqrt{(8 - 3)^2 + (2 - 14)^2} = 13.$