

Absolute Value Homework 8/28/15

Determine the absolute value.

- 1) $|-3| =$ _____
- 2) $|-3.7| =$ _____
- 3) $|92| =$ _____

Compare by using $<$, $>$, $=$.

- 4) $|-3|$ _____ $|3|$
- 5) $|-4|$ _____ 6
- 6) $|2.6|$ _____ $|-2.7|$
- 7) $|-8|$ _____ $|-9|$
- 8) 9 _____ $|-9|$

Answer the questions.

- 9) Two numbers have an absolute value of 37. Which of the two numbers is further from 1 on the number line?

- 10) Keith has $-\$190$ in his savings account. Aisha has $\$80$ in her savings account and Sonya has $-\$250$ in her savings account.
 - a) Who has the most amount of money in their savings account?

 - b) Who has the least amount of money in their savings account?

Determine whether the following are rational or irrational and explain why.

- 11) 3.56326... _____
- 12) -241 _____
- 13) 0.325 _____
- 14) 7 _____
- 15) $\frac{1}{4}$ _____