

Real Number System

Overview of problems



Example Set: A

Write a real number that represents the situation

60 feet below the water

10°C outside

\$40 in debt

Graph the numbers on a number line and write an inequality to express the greater value

$-\sqrt{11}$, -5



-2 , 6





Example Set: B

Write the numbers in increasing order

$\frac{3}{4}$, -1 , $-\sqrt{3}$, 4.8 , -5.1

-3.9 , 0 , $-\frac{4}{3}$, π , $-\sqrt{81}$

Find the opposite of the number

-6

3.1

$|-4|$

10

$-\sqrt{8}$

4

Find the absolute value

$$|-7|$$

$$|14|$$

$$|-\frac{1}{3}|$$

$$|-x|$$

Real Number System

Overview of problems- KEY

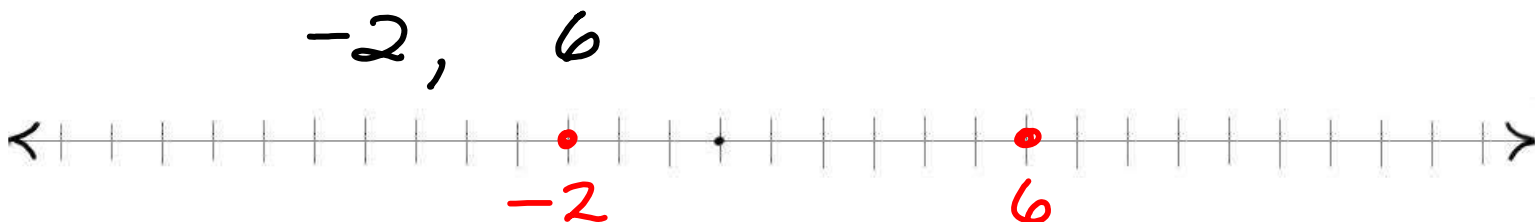
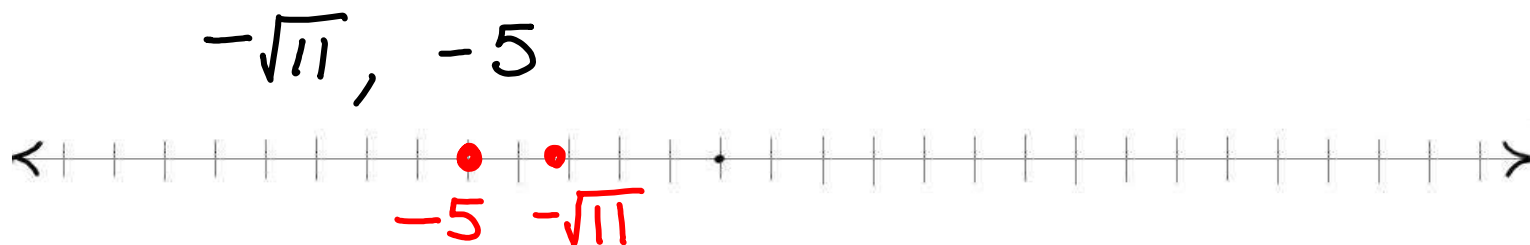


Example Set: A

Write a real number that represents the situation

60 feet below the water -60
 10°C outside 10
 $\$40$ in debt -40

Graph the numbers on a number line and write an inequality to express the greater value





Example Set: B

Write the numbers in increasing order

$$\frac{3}{4}, -1, -\sqrt{3}, 4.8, -5.1$$

$$-5.1, -\sqrt{3}, -1, \frac{3}{4}, 4.8$$

$$-3.9, 0, -\frac{4}{3}, \pi, -\sqrt{81}$$

$$-\sqrt{81}, -3.9, -\frac{4}{3}, 0, \pi$$

Find the opposite of the number

$$-6 \quad 6$$

$$3.1 \quad -3.1$$

$$|-4| \quad -4$$

$$10 \quad -10$$

$$-\sqrt{8} \quad \sqrt{8}$$

$$4 \quad -4$$

Find the absolute value

$$|-7|$$
$$= 7$$

$$|14|$$
$$= 14$$

$$|-\frac{1}{3}|$$
$$= \frac{1}{3}$$

$$|-x|$$
$$= x$$