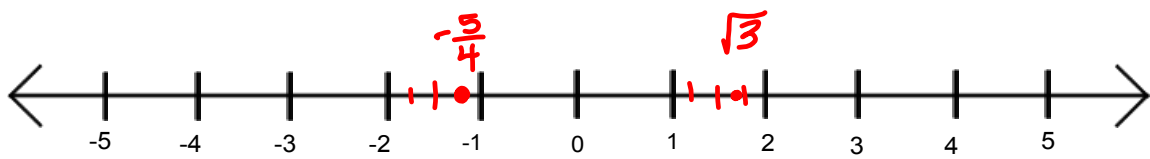


## Algebra 2

## 1.1 - Ordering Numbers

**EXAMPLE 1** Graph real numbers on a number lineGraph the real numbers  $-\frac{5}{4}$  and  $\sqrt{3}$  on a number line. $-1.25$     $1.73$ 

2. Which list shows the numbers in increasing order? *small → big*

~~(A)~~  $-0.5, 1.5, -2, -0.75, \sqrt{7}$

(B)  $-0.5, -2, -0.75, 1.5, \sqrt{7}$

(C)  $-2, -0.75, -0.5, 1.5, \sqrt{7}$

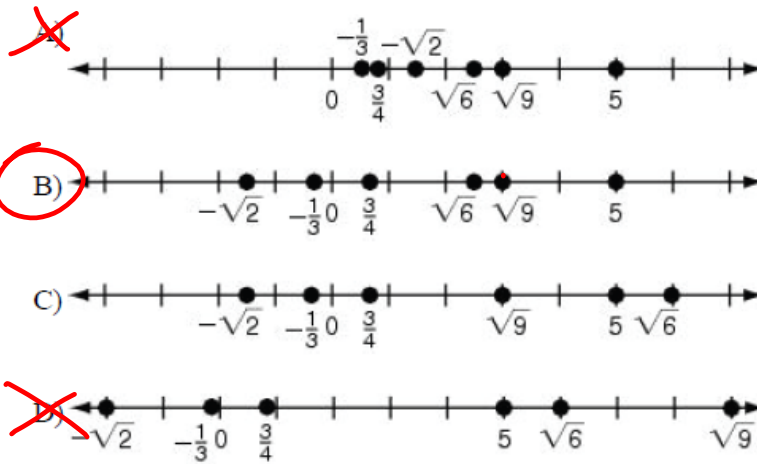
~~(D)~~  $\sqrt{7}, 1.5, -0.5, -0.75, -2$

Melanie needs to graph this set of numbers on a number line.

$$\left\{ \sqrt{9}, \frac{3}{4}, -\frac{1}{3}, 5, -\sqrt{2}, \sqrt{6} \right\}$$

3
.75
2.45

Which number line shows the set graphed correctly?



Which list shows the numbers  $-\sqrt{8}$ ,  $|-8|$ ,  $\frac{1}{8}$ ,  $-8.35$ ,  $\sqrt[3]{8}$ , and  $-8\frac{3}{5}$  in ascending order?

~~A)~~  $-8\frac{3}{5}, -8.35, |-8|, -\sqrt{8}, \frac{1}{8}, \sqrt[3]{8}$

**B)**  $-8\frac{3}{5}, -8.35, -\sqrt{8}, \frac{1}{8}, \sqrt[3]{8}, |-8|$

-8.6

~~C)~~  $-8.35, -8\frac{3}{5}, -\sqrt{8}, \frac{1}{8}, \sqrt[3]{8}, |-8|$

~~D)~~  $|-8|, \sqrt[3]{8}, \frac{1}{8}, -\sqrt{8}, -8.35, -8\frac{3}{5}$

# HUMAN NUMBER LINE