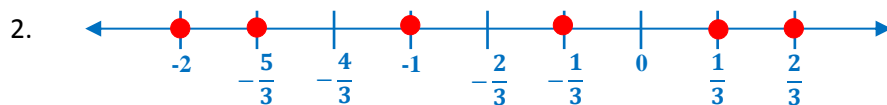


# Real Numbers and the Number Line Assignment

Name the coordinates of the points graphed on each number line.



Graph each set of numbers.

3.  $\left\{-\frac{1}{2}, 0, \frac{1}{4}, \frac{3}{4}, \frac{5}{4}\right\}$



4.  $\{-1.4, -0.6, 1.8, 3.2, 4.5\}$



Find each absolute value.

5.  $|-20|$

6.  $|19|$

7.  $|2.5|$

8.  $\left|-\frac{1}{5}\right|$

9.  $|-83|$

10.  $|10|$

11.  $|79|$

12.  $|-16|$

Evaluate each expression if  $x = 8$ ,  $y = 14$ , and  $z = -0.67$ .

13.  $6.5 - |8.4 - z|$

14.  $7.4 + |z - 2.6|$

15.  $|-z| + (x + 3.2)$

# Real Numbers and the Number Line Assignment

16.  $91 + |21 - y|$

17.  $|x| + 13 - 4$

18.  $2.8 - 1.3 + |z|$   
 $= 2.17$

19.  $|z| - 0.22$

20. Place each numbers in the most SPECIFIC categories of real numbers they belong.

$-16$        $-7$        $-\frac{2}{5}$        $35$        $\frac{3}{2}$        $-\frac{5}{9}$        $0.66$        $50$        $9.82$        $-69.99$

a) **Real Numbers** :

b) **Irrational Numbers** :

c) **Rational Numbers** :

d) **Non-integers** :

e) **Integers** :

f) **Negative Numbers** :

g) **Whole Numbers** :

h) **Zero** :

i) **Natural Numbers** :