6.1-6.3
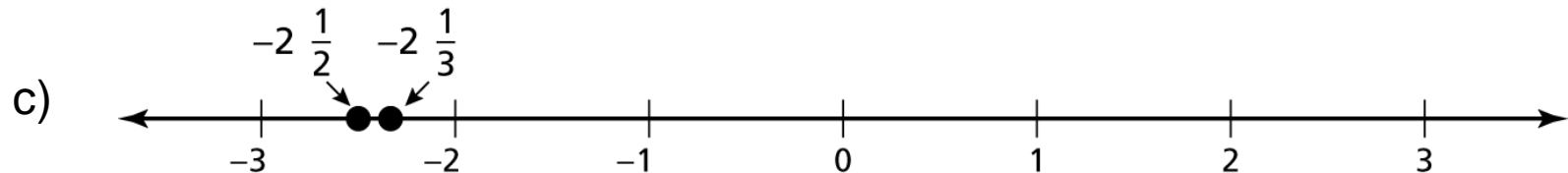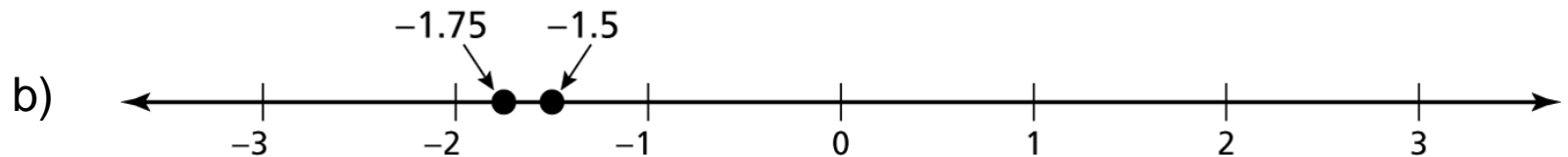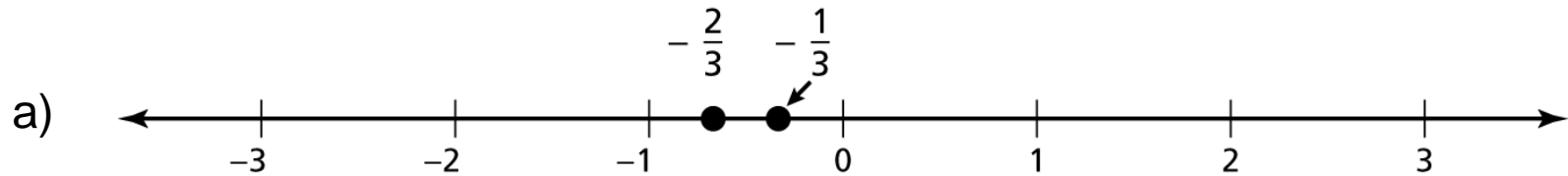## Review

Exploring – Deeping Into Number Lines

Work with a partner. Find a number that is between the two numbers. The number must be greater than the number on the left *and* less than the number on the right.

a)

$-\dfrac{2}{3}$ $-\dfrac{1}{3}$

b)

−1.75   −1.5

c)

$-2\dfrac{1}{2}$ $-2\dfrac{1}{3}$

Example 1

Graph each number and its opposite.

a. $\dfrac{3}{4}$

b. -1.6

Example 2

a. Compare $-\dfrac{1}{2}$ and $-\dfrac{3}{4}$.

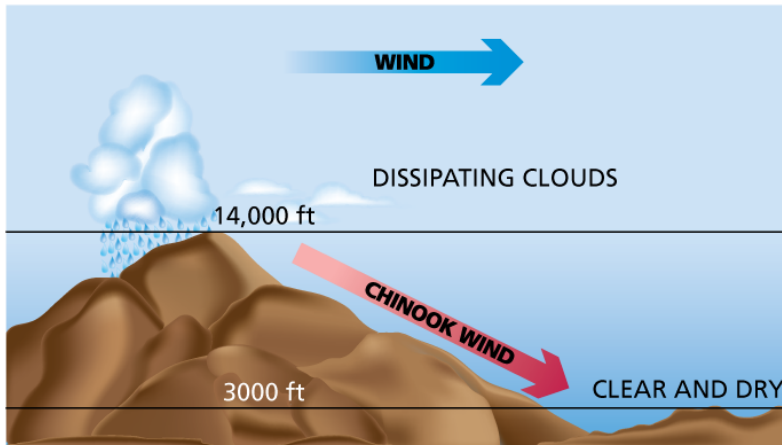b. Compare $-4\dfrac{5}{6}$ and $-4\dfrac{1}{6}$.

Example 3

Compare -3.08 and -3.8.

Real-Life Application

A *Chinook wind* is a warm mountain wind that can cause rapid temperature changes. The table shows three of the greatest temperature drops ever recorded after a Chinook wind occurred. On which date did the temperature drop the fastest? Explain.

WIND

DISSIPATING CLOUDS

14,000 ft

CHINOOK WIND

3000 ft

CLEAR AND DRY

Date	Temperature Change
January 10, 1911	$-3\frac{1}{10}$ °F per minute
November 10, 1911	$-\frac{5}{8}$ °F per minute
January 22, 1943	$-2\frac{1}{5}$ °F per minute

complete the statement using < or >.

1) $\quad -\dfrac{4}{7}$ ⬜ $-\dfrac{1}{7}$

2) $\quad -1\dfrac{2}{3}$ ⬜ $-1\dfrac{5}{6}$

3) $\quad -0.5$ ⬜ 0.3