Rational and Irrational Numbers

Name _____

Independent Practice

1. Sort the numbers into 2 groups, rational or irrational. Write the numbers in the appropriate bubble.

0.8 $\sqrt{64}$ 0 $\sqrt{32}$ -19 $-\sqrt{100}$ 2.343443444…

$\dfrac{3}{7}$ $\sqrt{75}$ $6\dfrac{2}{7}$ $12.\overline{67}$ $\sqrt{121}$ $\dfrac{12}{5}$ π

Rational   Irrational

2. Graph and label each number on the number line below. You may label the number with the letter.

A 0.75
B $\sqrt{3}$
C $\sqrt{9}$
D $-2\dfrac{1}{2}$
E $-\dfrac{15}{10}$
F $2.\overline{6}$
G $-\sqrt{2}$
H π

$$\xleftarrow{\qquad} \underset{-5}{|} \; \underset{-4}{|} \; \underset{-3}{|} \; \underset{-2}{|} \; \underset{-1}{|} \; \underset{0}{|} \; \underset{1}{|} \; \underset{2}{|} \; \underset{3}{|} \; \underset{4}{|} \; \underset{5}{|} \xrightarrow{\qquad}$$