

7.2.1 Classify Real Numbers Practice

Name: _____

1. Circle all the irrational numbers.

A $\sqrt{35}$ B $\sqrt{6}$ C $\sqrt{100}$ D $-4.\overline{13}$ E $-\sqrt{16}$ F $\frac{7}{8}$ G π H $\sqrt{89}$

2. Circle all the integers.

A $\sqrt{35}$ B $\sqrt{6}$ C $\sqrt{100}$ D $-4.\overline{13}$ E $-\sqrt{16}$ F $\frac{7}{8}$ G π H $\sqrt{89}$

3. List all the sets to which each number belongs. Your choices are: real, rational, irrational, integer, whole and natural.

A $\sqrt{35}$ _____B -7 _____C $\sqrt{100}$ _____D $-4.\overline{13}$ _____E $-\sqrt{16}$ _____F $\frac{21}{2}$ _____G π _____H $\sqrt{89}$ _____I 0 _____J $8.575775777 \dots$ _____

7.2.1 Classify Real Numbers **Answers**

1. Circle all the irrational numbers.

A $\sqrt{35}$ **B** $\sqrt{6}$ **C** $\sqrt{100}$ **D** $-4.\overline{13}$ **E** $-\sqrt{16}$ **F** $\frac{7}{8}$ **G** π **H** $\sqrt{89}$

2. Circle all the integers.

A $\sqrt{35}$ **B** $\sqrt{6}$ **C** $\sqrt{100}$ **D** $-4.\overline{13}$ **E** $-\sqrt{16}$ **F** $\frac{7}{8}$ **G** π **H** $\sqrt{89}$

3. List all the sets to which each number belongs. Your choices are: real, rational, irrational, integer, whole and natural.

A $\sqrt{35}$ irrational, real

B -7 integer, rational, real

C $\sqrt{100}$ natural, whole, integer, rational, real

D $-4.\overline{13}$ rational, real

E $-\sqrt{16}$ integer, rational, real

F $\frac{21}{2}$ rational, real

G π irrational, real

H $\sqrt{89}$ irrational, real

I 0 whole, integer, rational, real

J $8.575775777\dots$ irrational, real