

# Algebra II

6-6

Rational and Irrational Numbers

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## Number Sets

1)

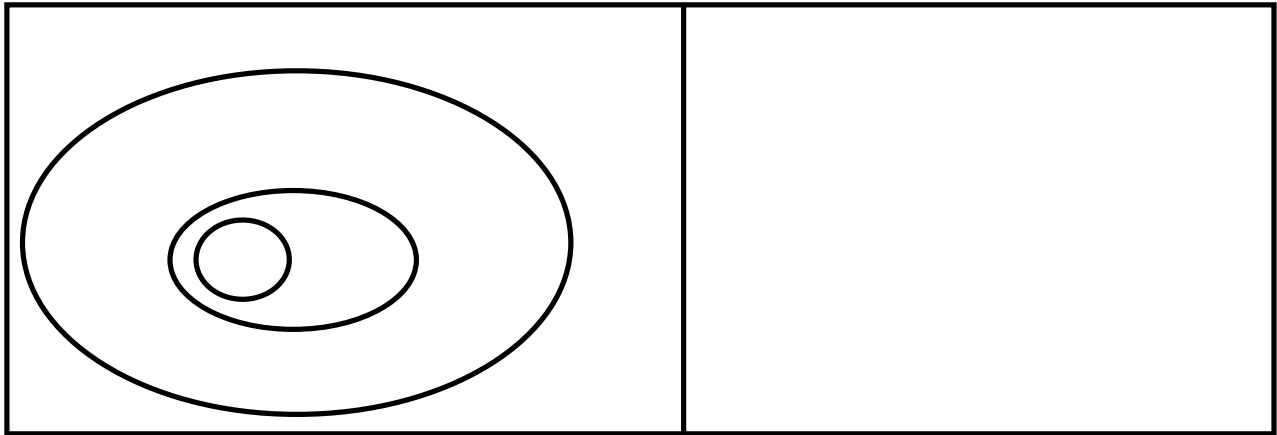
2)

3)

4)

5)

6)



Classify each real number or expression as either rational or irrational.

1a)  $\sqrt{49}$

5a) 1.23

b)  $\sqrt{50}$

b)  $1.\overline{23}$

c) 1.2345678910111213...

Write each fraction as a terminating or repeating decimal.

7)  $\frac{5}{8}$

Write each decimal as a common fraction in lowest terms.

11) 5.06

Write each decimal as a common fraction in lowest terms.

19)  $2.\overline{36}$

Find a rational and an irrational number between each given pair.

23) 0.1 and 0.2

Assignment: Pg. 286 2-30 even
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