Name: _____ Date: _____

# Chapter 2 Practice Test

***For #1 to #6, circle the best answer.***

**1.** Which fraction does *not* equal $\frac{4}{-6}$?

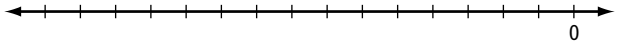
**A** $-\frac{8}{12}$

**B** $\frac{-2}{3}$

**C** $\frac{-12}{-18}$

**D** $-\left(\frac{-6}{-9}\right)$

**2.** Which value is greater than –1.5?




**A** –1.6

**B** –1.2

**C** $-\frac{3}{2}$

**D** $-\frac{5}{2}$

**3.** Which fraction is between $-0.4$ and $-0.6$?

**A** $\frac{-1}{5}$

**B** $-\frac{1}{6}$

**C** $-\frac{1}{2}$

**D** $\frac{-1}{3}$

**4.** Which value equals –3.78 – (–2.95)?

**A** $-6.73$

**B** $-0.83$

**C** 0.83

**D** 6.73

**5.** Which value is the best estimate for $\sqrt{1.6}$?

**A** 2.6

**B** 1.3

**C** 0.8

**D** 0.4

**6.** Which rational number is a non-perfect square?

**A** $\frac{1}{25}$

**B** 0.16

**C** 0.9

**D** $\frac{121}{4}$

***Complete the statements in #6 and #7.***

**7.** A square has an area of 1.44 $m^2$. The length of 1 side of the square is _____ m.

So, the perimeter of the square is _____ m.

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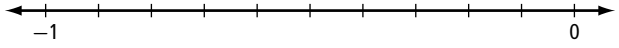
**8.** On a number line, $-3\frac{5}{11}$ is to the _____ of –3.
(*right* or *left*)



**Short Answer**

**9.** Find a fraction in lowest terms that is between 0 and –1 and has 5 as the denominator.




**10.** Calculate. Write your answers in lowest terms.

**a)** $1\frac{1}{2} - 2$

**b)** $-\frac{1}{3} + \left(-\frac{1}{6}\right)$

**c)** $-2\frac{3}{4} \times \left(-1\frac{1}{2}\right)$

**d)** $\frac{5}{6} \div \left(-\frac{11}{12}\right)$

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**11.** Canada's Donovan Bailey won the gold medal in the 100-m sprint at the Summer Olympics. His time was 9.84 s.

He beat Frankie Fredericks of Namibia by $\frac{5}{100}$ of a second. What was Fredericks's time?

First change $\frac{5}{100}$ to a decimal.

Sentence: _____

**12.** Is 31.36 a perfect square? Show how you know.

Sentence: _____

**13.** Calculate.

**a)** the square of 6.1

**b)** $\sqrt{1369}$