

Pre-Algebra Homework 10 Quiz First Name _____ Last _____

1. Calculate the perimeter and area of the rectangle for the given x -values.

a) $x = 6$

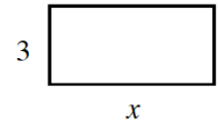
Area =

Perimeter =

b) $x = 1.4$

Area =

Perimeter =



2. Find the reciprocal of each number.

a) 8

b) $\frac{2}{5}$

3. Simplify the following fraction expressions. Show all of your work.

a) $1\frac{3}{4} \cdot \frac{1}{3}$

b) $177\frac{3}{4} - 80\frac{2}{5}$

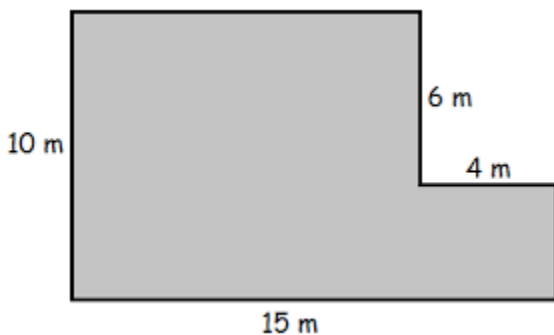
4. Find the distance between each pair of points if they were graphed on a number line.

a) -30 and -3.14

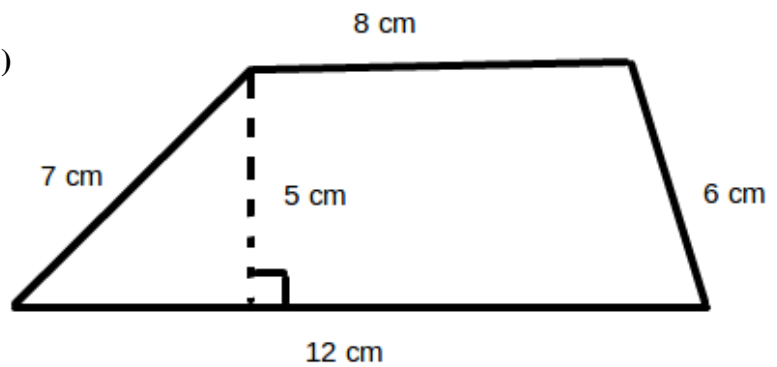
b) 43.21 and -1.9

5. Find the area of each figure below.

a)



b)



Answers on next page.



Answers

1. a) Area = 18 square units b) Area = 4.2 square units
Perimeter = 18 units Perimeter = 8.8 units

2. a) $\frac{1}{8}$ b) $\frac{5}{2}$

3. a) $\frac{7}{12}$ b) $97\frac{7}{20}$

4. a) 26.86 b) 45.11

5. a) 126 m^2 b) 50 cm^2