Pre-Algebra Homework 8 Quiz   First Name_____ Last _____

1. Simplify each expression below.

a) $|-9| + 5$ b) $|-9 + 5|$ e) $-30 + |-3 + 5|$

2. Use the Distributive Property to *rewrite* the following product as sums, and then calculate the value.

8(555)

3. Simplify each expression below. *Show your work.*

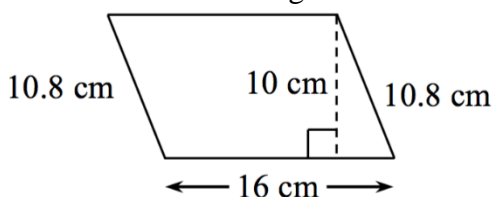a) $-55 + 41\frac{3}{11}$ b) $52\frac{8}{9} + 42\frac{2}{3}$

4. Find the distance between each pair of points if they were graphed on a number line.
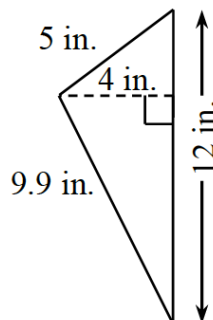
a) 42.24 and −28.3   b) −8.9 and −7.3

5. Find the area of each figure.

a)

10.8 cm   10 cm   10.8 cm

◄— 16 cm —►

b)   5 in.

4 in.

9.9 in.   12 in.

Answers on next page.

Answers

1. a) 14   b) 4   c) -28

2. $8(500) + 8(50) + 8(5) = 4000 + 400 + 40 = 4440$

3. a) $-13\frac{8}{11}$ b) $95\frac{5}{9}$

4. a) 70.54   b) 1.6

5. a) 160 cm^2 b) 24 in^2