

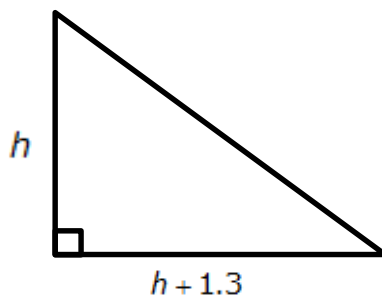
Name: _____ Period: _____

Check For Understanding (1 & 2) Homework (3 – 8)

1. q = quarts of strawberries; $2.50q = 10$

2. c = number of concert tickets; $10 + 35.50c = 258.50$

3. Write an algebraic expression to represent the area of the triangle shown below.



4. The lengths of two adjacent sides of rectangle are $2x + 3$ and $x - 7$, and its perimeter is 40. Which answer choice shows an equation that can be used to find the perimeter of the rectangle?
- A $2x + 3 = x - 7$
 - B $(2x + 3) + (x - 7) = 40$
 - C $2(x + 3 - 7) = 40$
 - D $2(2x + 3) + 2(x - 7) = 40$
5. A rectangle has a length of $(\frac{1}{4} + 6x)$ and a width of $(x + 0.75)$. Write an expression that could be used to find the perimeter of the rectangle.
6. Two angles are complementary. The larger angle is 6 more than twice the smaller angle. Write an equation to find the measure of each angle. (Hint: Draw a picture)

7. Brock is six feet tall. He climbs a ladder to paint some trim on his house. For each rung that he climbs, Brock is 1.2 feet higher above the ground. Which expression could you use to calculate the distance from the top of Brock's head to the ground if r represents the number of ladder rungs he has climbed?

A $1.2r + 6$

B $1.2r$

C $r + 6$

D $6r + 1.2$

8. Which situation is best represented by the algebraic expression $200 + \frac{x}{4}$?

A Renee earned \$200 creating a website and a 20% advance on the next website she creates for the same company.

B Joe had \$200 and spent a fourth of it on a Hawaiian Falls season pass

C Skip is watching his calorie intake. He ate a 200 calorie breakfast bar and shared a pizza with 3 of his friends.

D There is a \$200 set up fee for making T-shirts and a fourth of the cost is split between anyone ordering a shirt.