UNIT 2: REAL NUMBERS REVIEW

Label each number as a whole number, an integer, or rational. Then put in order from least to greatest. (Section 2.1)

1. $5, 4.9, \frac{26}{5}, 5\frac{1}{10}$

2. $-3, -\frac{10}{3}, -3.25, -3\frac{2}{5}$

Perform the indicated operation. (Sections 2.2 and 2.3)
   (If you start with a fraction, end with a fraction. If you start with a decimal, end with a decimal)
   Round to the nearest hundredth!

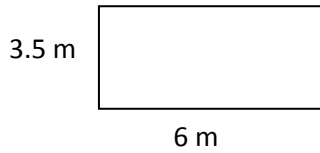| 3. $-4 + (-5)$	4. $4.5 - (-5.2)$	5. $-\frac{3}{4}(-5)$
6. $\frac{2}{9} \div \left(-\frac{7}{5}\right)$	7. $4\frac{2}{3} + (-5)$	8. $-4(-5)$
9. $-40 \div (-5)$	10. $\frac{3}{5}\left(\frac{5}{6}\right)$	11. $\frac{4}{3} + 2\frac{1}{3}$
12. $-2 - 9$	13. $7 + (-15)$	14. $-2 \div \frac{3}{4}$

Simplify each expression. (Section 2.4)

15. $6(3y - 5)$	16. $(4m - 1)2 + 8$	17. $6r + 2(r + 4)$
18. $3h - 14 - h + 10$	19. $7(w - 5) + 3(3 + 2w)$	20. $-(2s - 3) + 17s$

21. Find the area and perimeter of the rectangle.	22. Find the area and perimeter of the triangle.
p = add up all the sides $A = lw$	p = add up all the sides $A = \frac{1}{2}bh$
3.5 m [rectangle] 6 m	$\frac{3}{4}$ cm $\frac{3}{4}$ cm $\frac{5}{4}$ cm $\frac{3}{4}$ cm
Perimeter =	Perimeter =
Area =	Area =
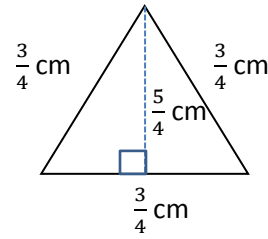
23. Given the set of numbers in the domain below, use the function to find the range.
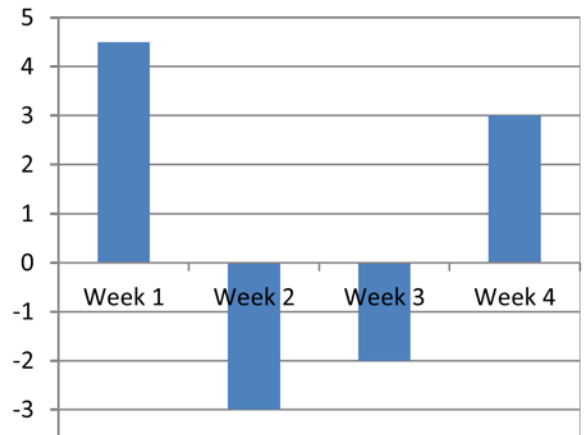
Domain $\left\{-2.5, -\frac{3}{4}, 0, 4\right\}$ **Range** $\left\{ \qquad \right\}$

Function $y = 4 + 2x$

Weight Change

24. Bob records his weight change for a month.
     What is his total change?

25. Mr. Kelly is reading Martha Stewart's Living magazine one day. He comes across a delicious recipe for refreshing strawberry lemonade. Mr. Kelly only wants to make half the recipe. Change the recipe so that it makes a half of batch of lemonade.

Serves 9   Serves _____

- 1.5 pints of strawberries   _____ pints of strawberries

- $\frac{20}{9}$ teaspoons of sugar   _____ teaspoons of sugar

- 10 tablespoons of lemon juice   _____ tablespoons of lemon juice

- $4\frac{3}{4}$ liters of water   _____ liters of water