Coordinate Algebra Big 20

Circle your final answer.

Monday (8/7/17)

1. Simplify by combining like terms:
$$-18 + 3(5x - 2) + 8$$

2. Write an expression for the verbal phrase:

   The product of the square of h and eight

3. Which is the more precise measurement?
   a. 18 inches
   b. 18.55 inches
   c. 17.5 inches
   d. 17.775 inches

4. In the equation $A = \frac{1}{2}bh$, what does each of the variables stand for?

5. Expand the following:
$$\frac{1}{6}(18x - 24)$$

Tuesday (8/8/17)

6. What time is 5 ¾ hours after 9:22 pm?

7. Find the sum of $(x + 5)$ and $(2x + 3)$

8. Write an equation to represent the relationship "a number decreased by negative 7 is the same thing as 48.

9. Four pounds of bananas cost $1.96. How much does it cost per pound?

10. Solve the following equation:
$$-14 + 6x + 7 - 2x = 1 + 5x$$

Wednesday (8/9/17)	**Thursday (8/10/17)**

Wednesday (8/9/17)

11. Solve for x:

$$-8x + 4(1 + 5x) = -6x - 14$$

12. How long will it take you to drive 225 miles at a speed of 25 miles per hour?

13. Convert 5,400 inches to miles.

14. Convert 16 weeks to seconds.

15. Convert 19 inches to feet.

Thursday (8/10/17)

16. If the average (arithmetic mean) of 2, 7, and x is 12, what is the value of x?

17. Mr. Two brought in cookies for his class. He gave out half of them in the morning. At lunch, he gave out 14 more. He then had 8 cookies left. How many cookies did he start with?

18. Convert 36 cm/sec to mph.

19. Convert 32 ft/sec to meters/min.

20. Convert 840 inches to cm.