

NAME _____

MATH 095
CHAPTER 3 REVIEW
SHOW ALL WORK

Simplify the expression by combining like terms.

1) $7x + 3 + 2x - x + 4$

Multiply.

2) $10(16y)$

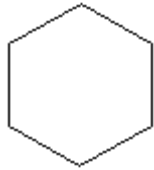
3) $7(x + 5)$

Simplify the expression.

4) $6(x - 1) + 3x + 2$

Find the perimeter or area of the figure as indicated.

5) Find the perimeter of the regular hexagon.



Each side: $7x - 7$ yards

Decide whether the given number is a solution of the given equation.

6) Is -17 a solution of $4c + 5 - 3c = -23 + 11$?

Solve the equation.

7) $n + 5 = -30 + 7$

8) $-28 + 5 = 3x + 2 - 2x$

9) $-7s = -77$

10) $\frac{x}{2} = 3$

11) $-4x - 4x = -35 - 13$

Write the phrase as a variable expression. Use x to represent "a number."

12) Four times the sum of a number and -15

Solve the equation.

13) $\frac{x}{2} - 4 = -9$

14) $-6x - 18 = -4x - 2$

15) $3(4x - 3) - 19 = 8x - 4$

Write the sentence as an equation.

16) Four times the difference of -11 and 9 is -80.

Write the sentence as an equation. Use x to represent "a number."

17) Nine times the difference of 9 and a number is -90.

Solve.

18) The difference of a number and 6 is the same as 36 less the number. Find the number.

19) The product of a number and -9 is nine times the sum of that number and 34. Find the number.

20) Mary and her brother John collect foreign coins. Mary has three times the number of coins that John has. Together they have 160 foreign coins. Find how many coins Mary has.