Variables & Constants Name: _____
Day 1 Unit 1 Principles Period: _____ Date: _____

OBJECTIVE: To define variables and distinguish between variables and constants.

Show all work to receive full credit!

Determine whether each quantity is a constant or a variable.

1. The number of donuts in a dozen.

2. The temperature of a cup of coffee.

3. The number of players allowed on the basketball court during a game.

4. The number of cents in a dollar.

5. The cost of gas over the past year.

6. The number of feet in a mile.

For each expression, identify all of the variables, all of the constants and all of the coefficients.

7. $x + 10$
# of Terms: _____
Variables: _____
Constants: _____
Coefficients: _____

8. $5a + -2$
# of Terms: _____
Variables: _____
Constants: _____
Coefficients: _____

9. $-7y$
# of Terms: _____
Variables: _____
Constants: _____
Coefficients: _____

10. $m + n$
# of Terms: _____
Variables: _____
Constants: _____
Coefficients: _____

11. $3 + x + 7$
# of Terms: _____
Variables: _____
Constants: _____
Coefficients: _____

12. $-9 + 4p$
# of Terms: _____
Variables: _____
Constants: _____
Coefficients: _____

13. $6d + 2w$
# of Terms: _____
Variables: _____
Constants: _____
Coefficients: _____

14. $8 - 3m + 4k - 5$
# of Terms: _____
Variables: _____
Constants: _____
Coefficients: _____

Determine if each algebraic statement is an expression or not. If not, why?

15. $6h + 4y > 2$

16. $-2m - 16$

17. $\frac{1}{2} x$

18. $5 + 9rst$

19. $18 = -3mp$

20. $33 + 4j - 8x$