

## Notes: T1-05 Evaluating Expressions

Date \_\_\_\_\_ Period \_\_\_\_\_

Evaluate the following expressions for the given value(s).

1.  $3x+5$  for  $x=-2$

2.  $\frac{d}{5}-d$  for  $d=10$

3.  $7m-6n+3$  for  $m=2, n=-4$

4.  $rst$  for  $r=-1, s=-2, t=5$

5.  $5(c+2)$  for  $c=7$

6.  $w^2 + y^2$  for  $w=-3, y=6$

## Classroom Expressions:

Variable	Meaning	Numerical Value
B	The number of <b>B</b> oys in the classroom	21
G	The number of <b>G</b> irls in the classroom	18
P	The number of <b>P</b> encils each student has	3
L	The cost of a <b>L</b> unch for each student (in dollars)	6
S	The cost of a <b>S</b> nack for each student (in dollars)	2
M	The amount of time a student spends in <b>M</b> ath class each day (in minutes)	80
H	The amount of time a student spends on math <b>H</b> omework each day (in minutes)	30

Find the numerical value of the following expressions. Be sure to include the proper units.

10.  $B + G$

11.  $GP$

12.  $BM + BH$

13.  $L + S$

14.  $G(L + S)$

15.  $P(B + G)$

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**Write an Expression and then Evaluate the expression for the given value.**

16. The total number of pencils for all the boys in the class.

Expression:

17. The cost of lunch for all the students in the class

Expression:

18. The total amount of time that all the students in the class spend on Math each day (both in class and on homework)

Expression: