

Name: _____

Date: _____

Algebra Quiz 1 Review 1

1. Evaluate the following expressions if $p = 6$

a) $p - 3$

b) $p + 7$

c) $3p$

d) $\frac{p}{2}$

e) $2p + 2$

f) $4p - 1$

2) In the following expressions what are the variables, constant terms, and numerical coefficients?

a) $6n - 2$

b) $7p + 4$

variable: _____

variable: _____

constant: _____

constant: _____

numerical coefficient: _____

numerical coefficient: _____

3) Write an algebraic expression for each sentence.

a) a number minus 3

b) double a number and add 4

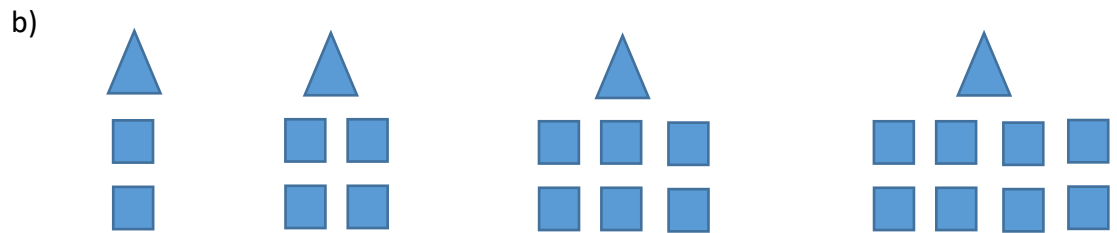
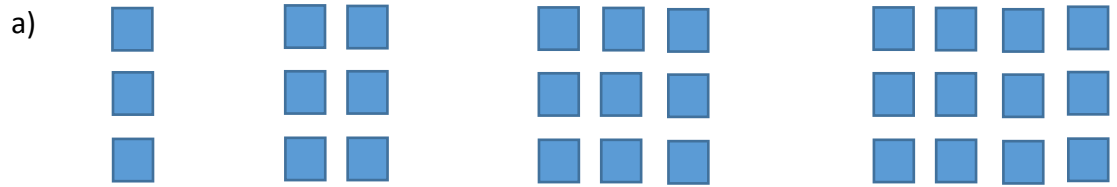
c) a number added to 9

d) 5 less than 6 times a number

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4) Write an algebraic expression for the pattern illustrated with the tiles below.



5) Write an algebraic expression to answer the questions below.

a) John gets paid \$13 per hour. How much does he get paid per week?

b) Mrs. Rempel pays a \$10 monthly fee to stream music from a website. She then pays them another \$2 per song she downloads. How much does she pay each month?

c) Mr. Harwood runs 5 km on Tuesday, 6 km on Thursday, and 2 km on Saturday. If he also runs on Monday, how far does he run?

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6) Complete the input output tables.

a)

Input n	Output $3n$
1	
2	
3	
4	
5	

b)

Input n	Output $2n + 2$
1	
2	
3	
4	
5	

7) Using algebra, write a relation for each input/output table

a)

Input	Output
1	4
2	8
3	12
4	16
5	20

b)

Input	Output
1	5
2	7
3	9
4	11
5	13