Iransformations Word Search

SMALL GROUP ACTIVITY

Transformations Word Search



M + A + T + H =

Word

M + A + T + H =

Blank answer key

provided for

teacher to

complete before

using activity with

class.

Transformations Word Search Key Transformation

f(x + 8)

f(x) - 5

f(x - 4)

f(x + 6) + 7

f(x + 7) - 8

f(x + 6) + 2 -f(x - 3) + 4

-4f(x)

f(-2x)

-f(2x) - 9

-f(½x) - 2

-½f(x + 4) - 5.5

6f(1/3(x + 4)) + 3 f(2(x - 6)) + 8

f(-1/2(x - 5)) - 9

 $M + A + T + H = 0_{010}$

Puzzle

A

В

С

D

Е

F

G

н

1

J

κ

1

Μ

Ν

0

Group Tracking Card for Easy Accountability

Transformations Word Search				
Name(s):				
Α	B	С	D	E
F	G	Н		J
К	L	Μ	Ν	0

Two Different Card Formats

3 Pages (Large Cards)



1 Page (Small Cards)

A	В	С
f(x + 8)	f(x) - 5	f(x - 4)
D	E	F
f(x + 6) + 7	f(x + 7) - 8	f(x + 6) + 2
G	н	I
-f(x - 3) + 4	-4f(x)	f(-2x)
J	к	L
-f(2x) - 9	-f(½x) - 2	-½f(x + 4) - 5.5
м	N	0
6f(1/3(x + 4)) + 3	f(2(x - 6)) + 8	f(-½(x - 5)) - 9

Also Provided in Worksheet Format



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Transformations Word Search

The function f(x) is defined by the dashed line on the graph below. The graph of each given transformation of f(x) will cross through four letters which can be unscrambled to form a common word.



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Transformation	Lette	ers	Word
f(x + 8)			
f(x) - 5			
f(x - 4)			
f(x + 6) + 7			
f(x + 7) - 8			
f(x + 6) + 3			
-f(x - 3) + 4			
-4f(x + 7)			
f(-2x)			
-f(2x) - 9			
-f(½x) - 2			
-½f(x + 4) - 5.5			
6f(1/ ₃ (x + 4)) + 3			
f(2(x - 6)) + 8			
f(-½(x - 5)) - 9			

M + A + T + H = © Sarah Carter @mathequalslove

Transformations Word Search





Graph the transformation below. Unscramble the four letters joined by the graph of the transformation to form a common word. f(x + 6) + 3Graph the transformation below. Unscramble the four letters joined by the graph of the transformation to form a common word. -f(x - 3) + 4Graph the transformation below. Unscramble the four letters joined by the graph of the transformation to form a common word. -4f(x + 7)Graph the transformation below. Unscramble the four letters joined by the graph of the transformation to form a common word. f(-2x) Graph the transformation below. Unscramble the four letters joined by the graph of the transformation to form a common word. -f(2x) - 9



A	B	C
f(x + 8)	f(x) - 5	f(x - 4)
D	E	F
f(x + 6) + 7	f(x + 7) - 8	f(x + 6) + 3
G	Η	
-f(x - 3) + 4	-4f(x + 7)	f(-2x)
J	K	L
-f(2x) - 9	-f(½x) - 2	-½f(x + 4) - 5.5
Μ	Ν	Ο
6f(⅓(x + 4)) + 3	f(2(x - 6)) + 8	f(-½(x - 5)) - 9

Transformations Word Search

Name(s):

Α	В	С	D	Ε
F	G	Н		J
К	L	Μ	Ν	0

Transformations Word Search				
Name(s):				
Α	В	С	D	Е
F	G	Н		J
K	L	Μ	Ν	0

Transformations Word Search				
Name(s):				
Α	В	С	D	Е
F	G	Н		J
К	L	Μ	N	0

Transformations Word Search				
Name(s):				
Α	В	С	D	Ε
F	G	Н		J
К	L	Μ	N	0

Transformations Word Search Key

Puzzle	Transformation	Word
А	f(x + 8)	
В	f(x) - 5	
С	f(x - 4)	
D	f(x + 6) + 7	
E	f(x + 7) - 8	
F	f(x + 6) + 3	
G	-f(x - 3) + 4	
Н	-4f(x + 7)	
I	f(-2x)	
J	-f(2x) - 9	
K	-f(½x) - 2	
L	-½f(x + 4) - 5.5	
М	6f(1/3(x + 4)) + 3	
N	f(2(x - 6)) + 8	
0	f(-½(x - 5)) - 9	

M + A + T + H =

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