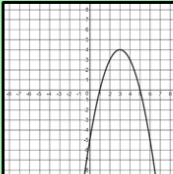
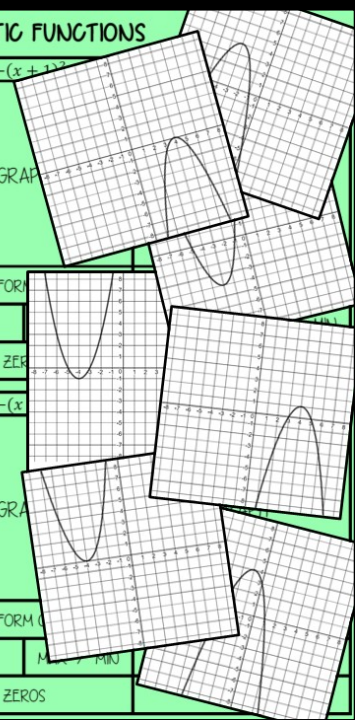


FREE!

CHARACTERISTICS OF QUADRATIC FUNCTIONS CUT & PASTE ACTIVITY

CHARACTERISTICS OF QUADRATIC FUNCTIONS

<p>1. $f(x) = -(x-3)^2 + 4$</p> 	<p>2. $f(x) = (x+4)^2$</p> <p style="text-align: center;">GRAPH</p>	<p>3. $f(x) = -(x+1)^2$</p> <p style="text-align: center;">GRAPH</p>
<p>B $f(x) = -x^2 + 6x - 5$</p>	STANDARD FORM OF EQUATION	STANDARD FORM
<p>O (3,4) MAX / MIN</p>	VERTEX	MAX / MIN
<p>U (1,0) X (5,0)</p>	ZEROS	ZEROS
<p>5. $f(x) = (x+3)^2 - 4$</p> <p style="text-align: center;">GRAPH</p>	<p>6. $f(x) = -(x+3)^2 + 4$</p> <p style="text-align: center;">GRAPH</p>	<p>7. $f(x) = -(x+1)^2$</p> <p style="text-align: center;">GRAPH</p>
STANDARD FORM OF EQUATION	STANDARD FORM OF EQUATION	STANDARD FORM
VERTEX	MAX / MIN	VERTEX
MAX / MIN	VERTEX	MAX / MIN
ZEROS	ZEROS	ZEROS

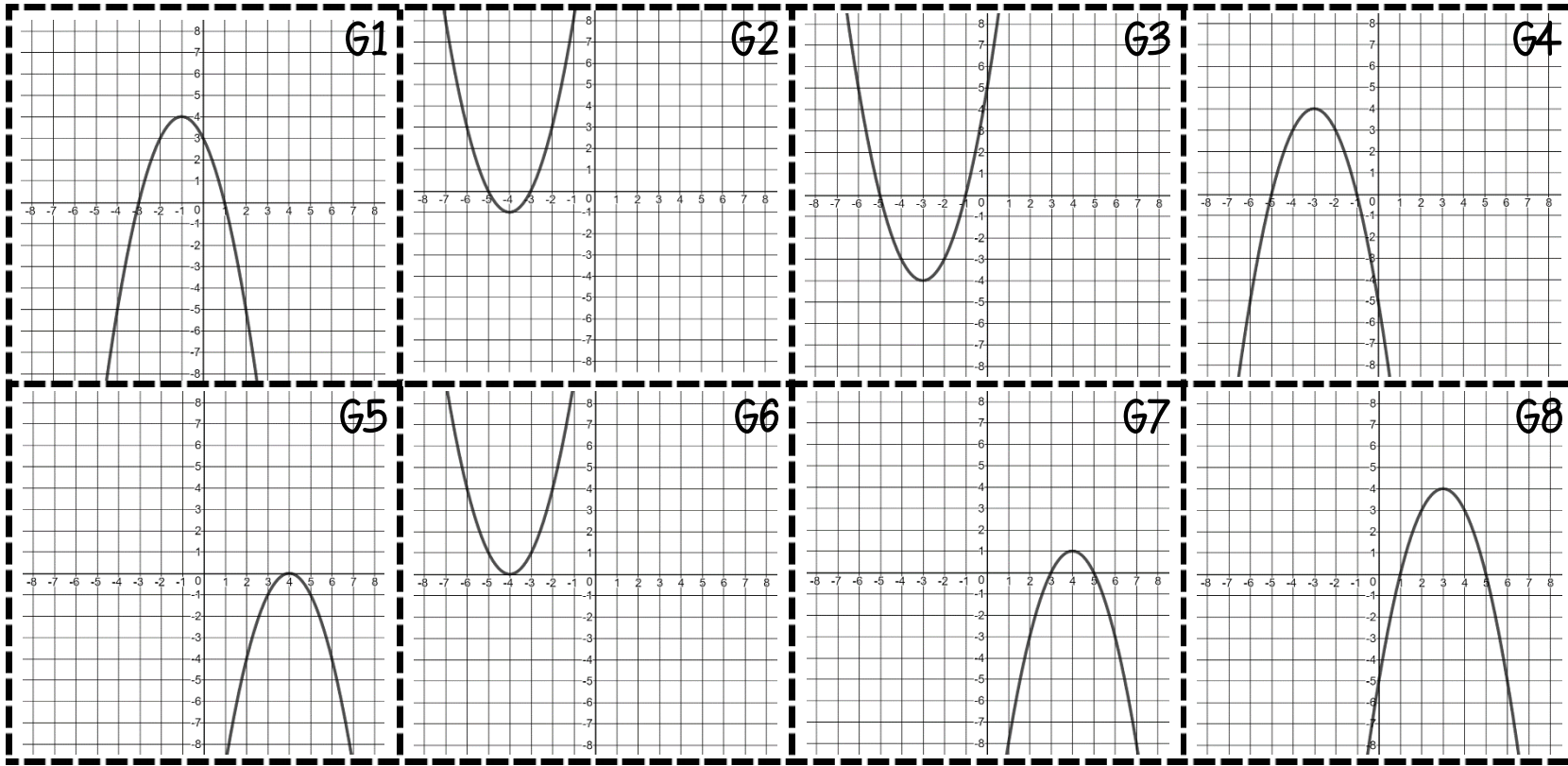


CHARACTERISTICS OF QUADRATIC FUNCTIONS

1. $f(x) = -(x - 3)^2 + 4$		2. $f(x) = (x + 4)^2$		3. $f(x) = -(x + 1)^2 + 4$		4. $f(x) = -(x - 4)^2$	
GRAPH		GRAPH		GRAPH		GRAPH	
STANDARD FORM OF EQUATION		STANDARD FORM OF EQUATION		STANDARD FORM OF EQUATION		STANDARD FORM OF EQUATION	
VERTEX	MAX / MIN	VERTEX	MAX / MIN	VERTEX	MAX / MIN	VERTEX	MAX / MIN
ZEROS		ZEROS		ZEROS		ZEROS	

5. $f(x) = (x + 3)^2 - 4$		6. $f(x) = -(x + 3)^2 + 4$		7. $f(x) = -(x - 4)^2 + 1$		8. $f(x) = (x + 4)^2 - 1$	
GRAPH		GRAPH		GRAPH		GRAPH	
STANDARD FORM OF EQUATION		STANDARD FORM OF EQUATION		STANDARD FORM OF EQUATION		STANDARD FORM OF EQUATION	
VERTEX	MAX / MIN	VERTEX	MAX / MIN	VERTEX	MAX / MIN	VERTEX	MAX / MIN
ZEROS		ZEROS		ZEROS		ZEROS	

GRAPH



STANDARD FORM OF EQUATION

A $f(x) = -x^2 - 6x - 5$	B $f(x) = -x^2 + 6x - 5$	C $f(x) = x^2 + 6x + 5$	D $f(x) = -x^2 - 2x + 3$
E $f(x) = x^2 + 8x + 16$	F $f(x) = -x^2 + 8x - 16$	G $f(x) = x^2 + 8x + 15$	H $f(x) = -x^2 + 8x - 15$

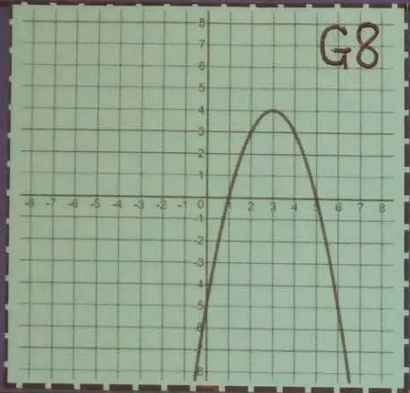
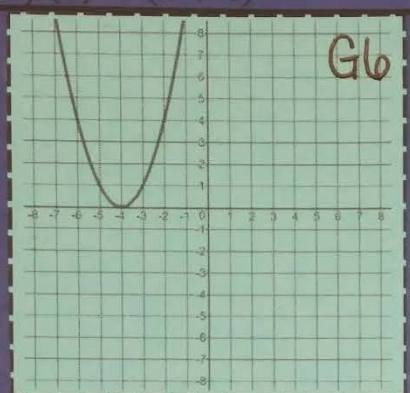
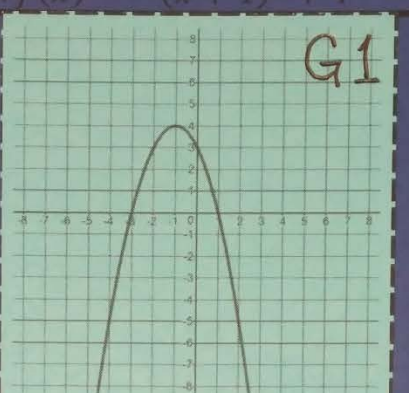
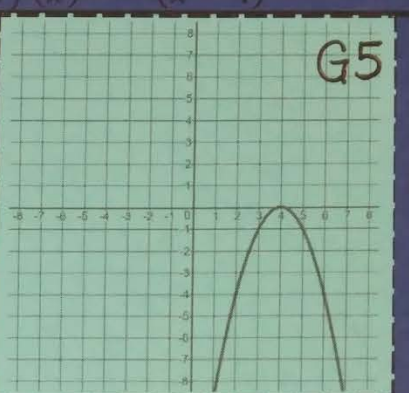
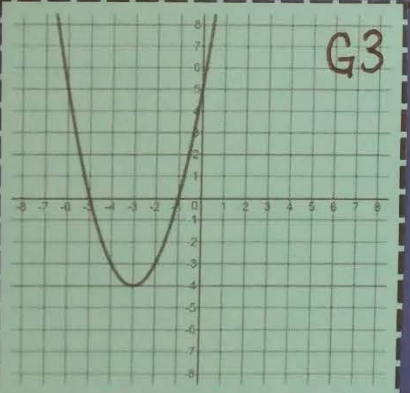
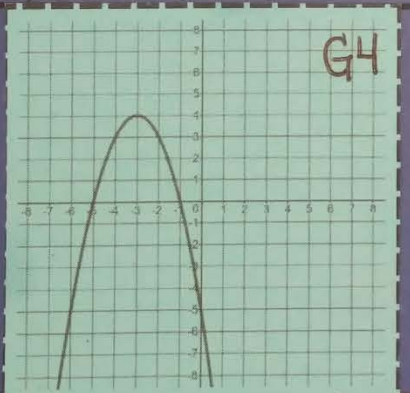
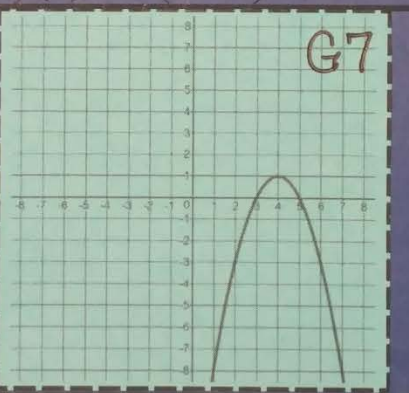
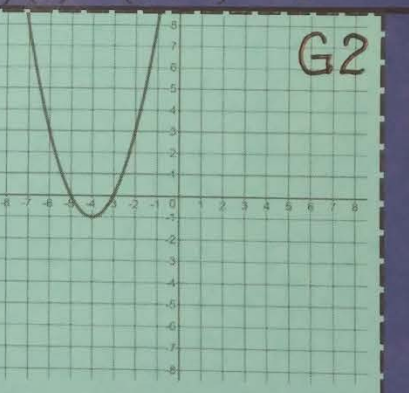
VERTEX

I (-1,4)	J (-3,-4)	K (-4,0)	L (-4,-1)	M (4,1)	N (-3,4)	O (3,4)	P (4,0)
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ZEROS

Q (-5,0)	Q (-5,0)	Q (-5,0)	R (-4,0)	S (-3,0)	S (-3,0)	T (-1,0)
T (-1,0)	U (1,0)	U (1,0)	V (3,0)	W (4,0)	X (5,0)	X (5,0)

CHARACTERISTICS OF QUADRATIC FUNCTIONS

1. $f(x) = -(x-3)^2 + 4$	2. $f(x) = (x+4)^2$	3. $f(x) = -(x+1)^2 + 4$	4. $f(x) = -(x-4)^2$
 G8	 G6	 G1	 G5
B $f(x) = -x^2 + 6x - 5$	E $f(x) = x^2 + 8x + 16$	D $f(x) = -x^2 - 2x + 3$	F $f(x) = -x^2 + 8x - 16$
O (3,4) MAX / MIN	K (-4,0) MAX / MIN	I (-1,4) MAX / MIN	P (4,0) MAX / MIN
U (1,0) X (5,0)	R (-4,0)	S (-3,0) U (1,0)	W (4,0)
5. $f(x) = (x+3)^2 - 4$	6. $f(x) = -(x+3)^2 + 4$	7. $f(x) = -(x-4)^2 + 1$	8. $f(x) = (x+4)^2 - 1$
 G3	 G4	 G7	 G2
C $f(x) = x^2 + 6x + 5$	A $f(x) = -x^2 - 6x - 5$	H $f(x) = -x^2 + 8x - 15$	G $f(x) = x^2 + 8x + 15$
J (-3,-4) MAX / MIN	N (-3,4) MAX / MIN	M (4,1) MAX / MIN	L (-4,-1) MAX / MIN
Q (-5,0) T (-1,0)	Q (-5,0) T (-1,0)	V (3,0) X (5,0)	Q (-5,0) S (-3,0)