1		EI.		100	1	$4)^{2}$	_ 7
	10	T(X	() =	(X	+	4)	

a = \_\_\_ h = \_\_\_ k = \_\_\_

Opens: up or down

Vertex:

Max or Min:

Axis of symmetry: \_\_\_\_

X-Intercept:

Y – Intercept: \_\_\_\_\_

Rate of Change from x = 6 to x = 3

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

End behavior : As  $x \rightarrow -\infty$ ,  $y \rightarrow$ 

 $x \rightarrow \infty, y \rightarrow$ 

X

4

									Y.											
									10											
				-	-				9											
									8											
									7											
									6											
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									1										-	
					Section 4		3		0	1	2	3	4	13	6	7	8	91	133	
-9	-8	-7	-6	-5	-4	-3	-2	-1		1				1	19	-	20		10	X
-9	-8	-7	4	-5	-4	1		-1	-1			-			-	,	7			X
-9	-8	-7	4	-5	4	77	-2	-1	-1	1			7	7	-					X
-9	-8	-7	4	-5	4		-2	-1	-1 -2 -3	1				The same of the sa	49		7			X
-9	-8	-7	4	-5	4			-1	7 3 4											X
-9	-8	-7	4	-5	4	1		-1	1 12 13 14 15					7						X
-9	-8	-7	-6	-5	4			-1	7 7 19 14 15 16											X
-9	-8	-7	-6	-5	4			-1	7 7 3 4 5 6 7											X
-9	-8	-7	-6	-5		1		-1	1 12 13 14 15 16 17 8					Colin (m. )	•					X
-9	-8	-7	-6	-5		-2			7 7 3 4 5 6 7					To the last of the						X

## 2. $f(x) = -(x-2)^2 + 3$

a = \_\_\_ h = \_\_\_ k = \_\_\_

Opens: up or down

Vertex:

Max or Min:

Axis of symmetry: \_\_\_\_\_

X-Intercept:

Y - Intercept: \_\_\_\_\_

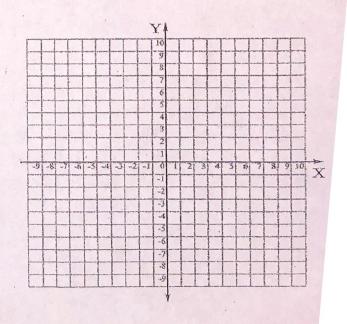
Rate of Change from x = 1 to  $x = \frac{1}{3}$ 

Domain:

Range:

End behavior: As  $x \rightarrow -\infty$ ,  $y \rightarrow$ 

 $x \rightarrow \infty, y \rightarrow$ 



## 3. $f(x) = 2(x+3)^2 + 2$

a = \_\_\_ k = \_\_\_

U

Opens: up or down

Vertex: \_\_\_\_

Max or Min:

Axis of symmetry: \_\_\_\_

X-Intercept: \_\_\_\_\_

Y – Intercept:

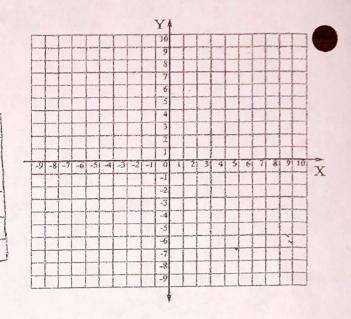
Rate of Change from x = -3 to x = -2

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

End behavior : As  $x \rightarrow -\infty$ ,  $y \rightarrow$ 

 $x \to \infty, y \to$ 



## $f(x) = -2x^2$

a = \_\_\_ h = \_\_\_ k = \_\_\_

Opens: up or down

Vertex:

Max or Min: \_\_\_\_\_

Axis of symmetry: \_\_\_\_

X-Intercept:

Y – Intercept: \_\_\_\_\_

Rate of Change from x = 1 to x = 0

Domain:

Range:

End behavior : As  $x \rightarrow -\infty$ ,  $y \rightarrow$ 

 $x \to \infty, y \to$ 

