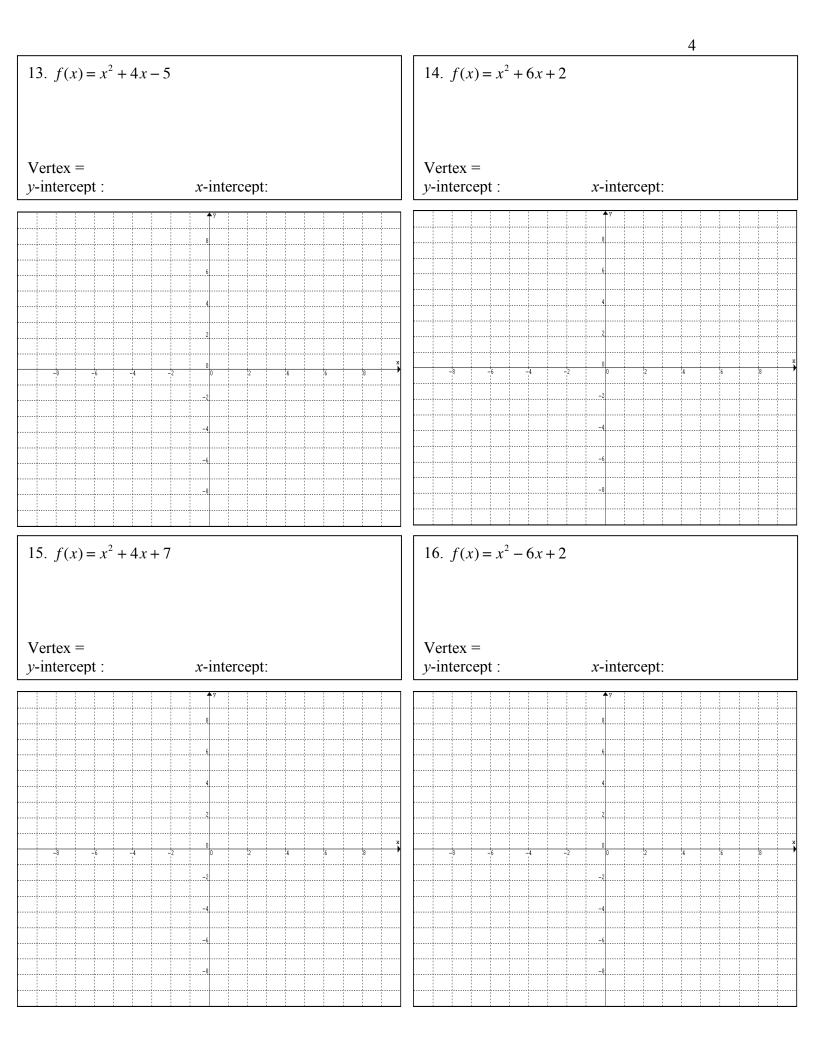


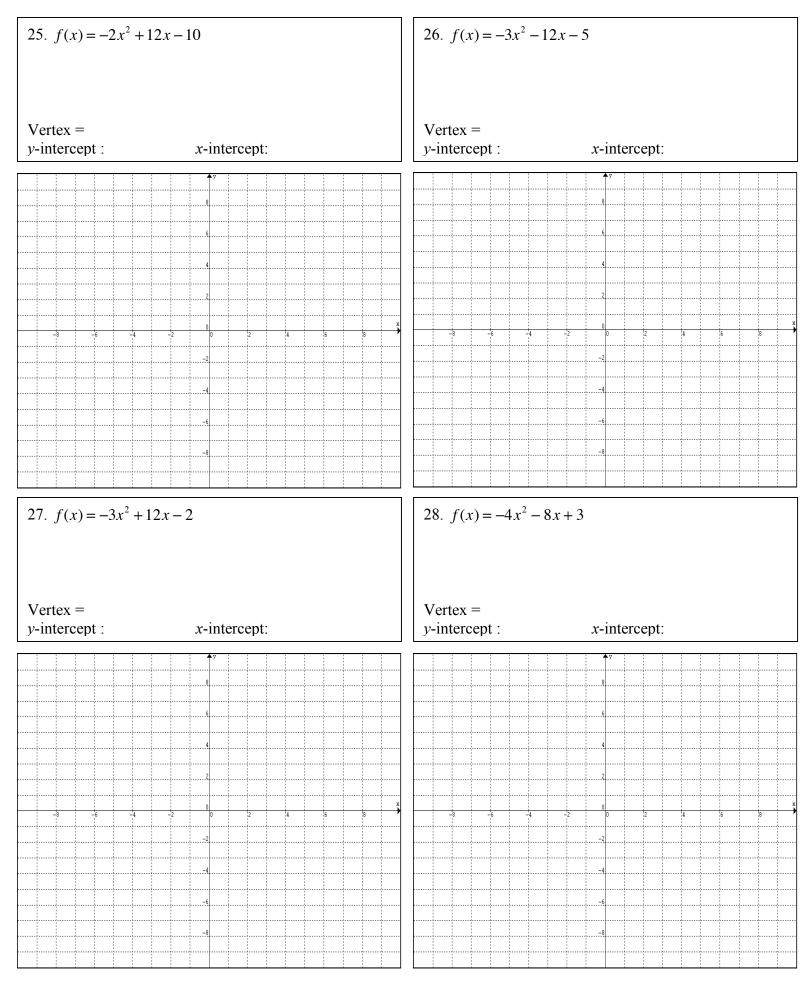
			2	
$5. f(x) = -x^2$		$6. f(x) = -x^2$	+ 4	
Vertex = y-intercept :	x-intercept:	Vertex = y-intercept :	x-intercept:	
			· · · · · · · · · · · · · · · · · · ·	
	↑ <sup>y</sup>		T <sup>y</sup>	
	6			
	2		2	
-8 -6 -4		x 8 -8 -6		*
	-6			
7. $f(x) = -(x+3)^{2}$	2	$\boxed{8. \ f(x) = -(x)}$	$(-1)^2 - 3$	
Vertex =		$8. \ f(x) = -(x)$ Vertex =		
	2 x-intercept:		$(-1)^2 - 3$	
Vertex =		Vertex =		
Vertex =		Vertex =		
Vertex =		Vertex =		
Vertex =		Vertex =		
Vertex =		Vertex =		
Vertex =		Vertex =		
Vertex = y-intercept :		Vertex = y-intercept :		
Vertex =		Vertex =		
Vertex = y-intercept :		Vertex = y-intercept :		
Vertex = y-intercept :		Vertex = y-intercept :		
Vertex = y-intercept :		Vertex = y-intercept :		
Vertex = y-intercept :		Vertex = y-intercept :		
Vertex = y-intercept :		Vertex = y-intercept :		

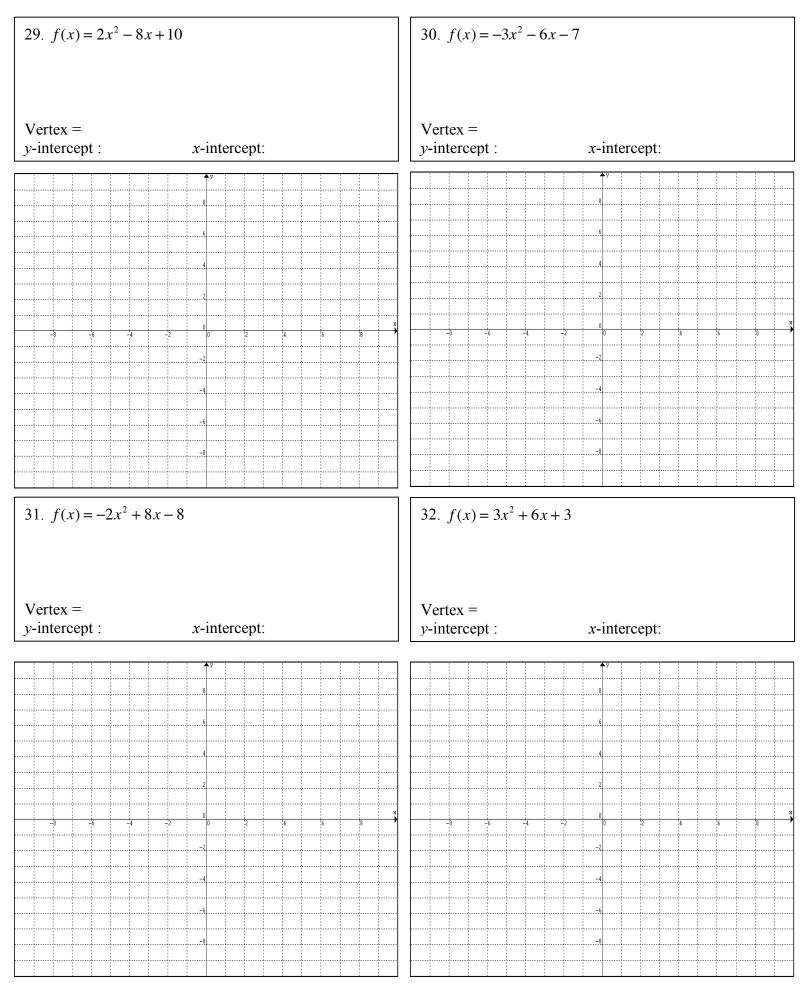
3 9.  $f(x) = 2x^2$ 10.  $f(x) = -2x^2$ Vertex =Vertex =*x*-intercept: *y*-intercept : *y*-intercept : *x*-intercept: 11.  $f(x) = 2(x+3)^2 - 6$ 12.  $f(x) = -2(x-1)^2 - 2$ Vertex = Vertex =*y*-intercept : *x*-intercept: *y*-intercept : *x*-intercept:



			5
17. $f(x) = -x^2 + 6$	5x-2	$18. \ f(x) = -x^2 - 4x - 7$	
Vertex = y-intercept :	<i>x</i> -intercept:	Vertex = y-intercept :	<i>x</i> -intercept:
	↓ ↓ ↑ <sup>y</sup> ↓ ↓ ↓ ↓ ↓ ↓		<b>↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓</b>
			8
			2
-8 -6 -4			
			-4
$19 f(r) = -r^2 - 6$	5r - 3	$20 f(x) = -x^2 + 4x + 4$	
19. $f(x) = -x^2 - 6$ Vertex = y-intercept :	5x-3	20. $f(x) = -x^2 + 4x + 4$ Vertex = y-intercept :	<i>x</i> -intercept:
Vertex =		Vertex =	
Vertex =		Vertex =	
Vertex =		Vertex =	
Vertex =		Vertex =	
Vertex =		Vertex =	
Vertex =		Vertex =	
Vertex = y-intercept :		Vertex = y-intercept :	<i>x</i> -intercept:
Vertex =		Vertex =	
Vertex = y-intercept :		Vertex = y-intercept :	<i>x</i> -intercept:
Vertex = y-intercept :		Vertex = y-intercept :	<i>x</i> -intercept:
Vertex = y-intercept :		Vertex = y-intercept :	<i>x</i> -intercept:
Vertex = y-intercept :		Vertex = y-intercept :	<i>x</i> -intercept:
Vertex = y-intercept :		Vertex = y-intercept :	<i>x</i> -intercept:

			6	
21. $f(x) = 2x^2 - 1$	2 <i>x</i> +9	22. $f(x) = 1$	$3x^2 + 12x + 4$	
Vertex = y-intercept :	<i>x</i> -intercept:	Vertex = y-intercept	: <i>x</i> -intercept:	
	ту 		х ,	
	2		2	
-8 -6 -4	0 -2 0 2 4 6	8 -3 -6	0 0 ;2 ;4 ;6 ;8	*
	-2		2	
	-4			
	-8			
$\frac{1}{23. \ f(x) = 4x^2 - 8}$	3x+2	24. f(x) = 1	$2x^2 + 8x + 2$	
Vertex =		Vertex =	$\frac{1}{2x^2 + 8x + 2}$	
23. $f(x) = 4x^2 - 8$ Vertex = y-intercept :	3x + 2 <i>x</i> -intercept:			
Vertex =		Vertex =		
Vertex =		Vertex =		
Vertex =		Vertex =		
Vertex =		Vertex =		
Vertex =		Vertex =		
Vertex =		Vertex =		
Vertex = y-intercept :		Vertex = y-intercept		
Vertex = y-intercept :		Vertex = y-intercept		
Vertex = y-intercept :		Vertex = y-intercept		
Vertex = y-intercept :		Vertex = y-intercept		





*Write an equation of each graph below in the form*  $f(x) = a(x-h)^2 + k$ .

