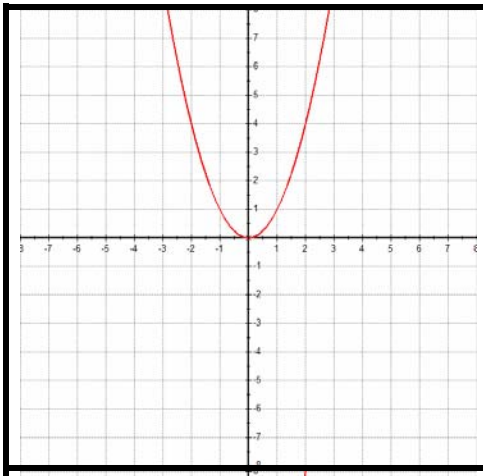
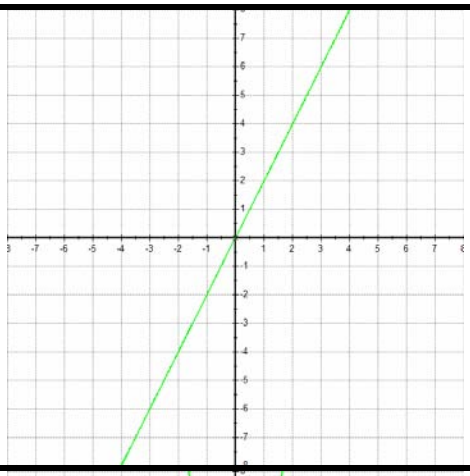
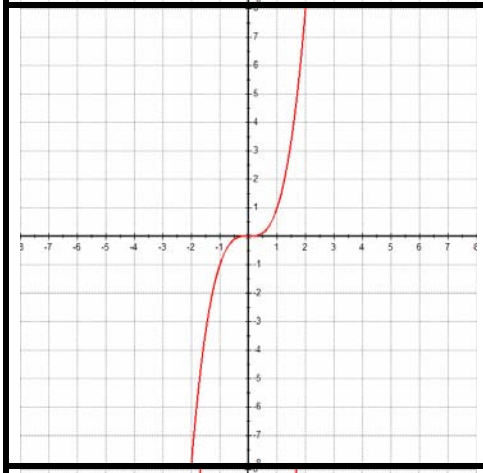
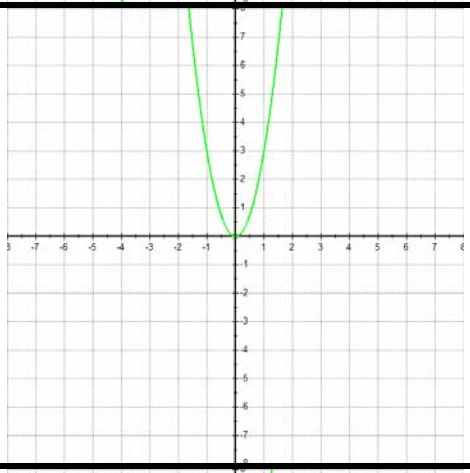
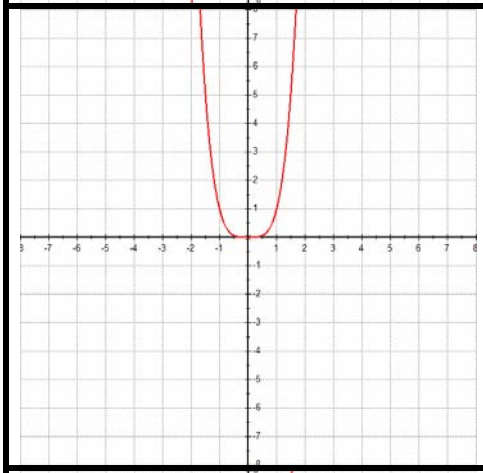
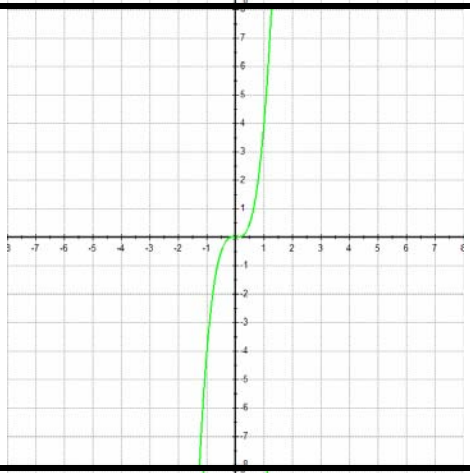
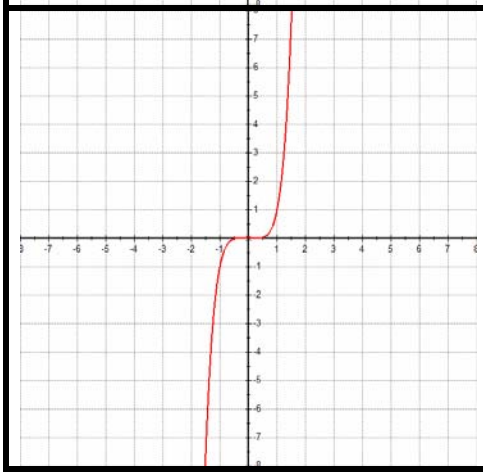
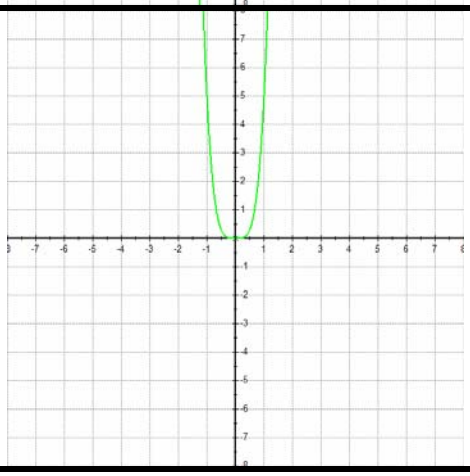
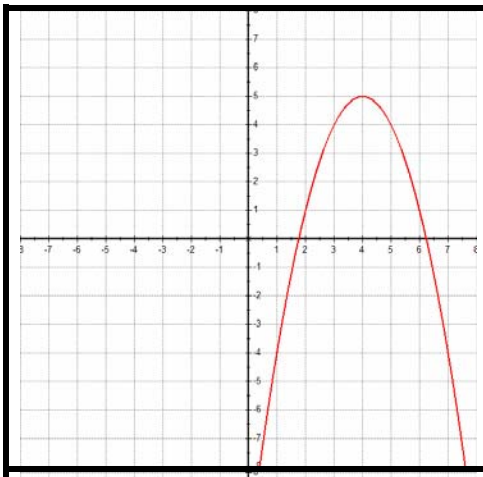
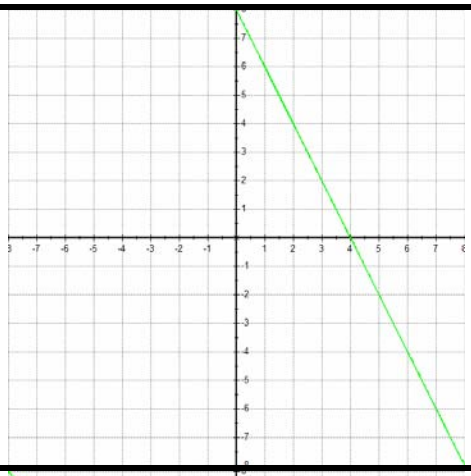
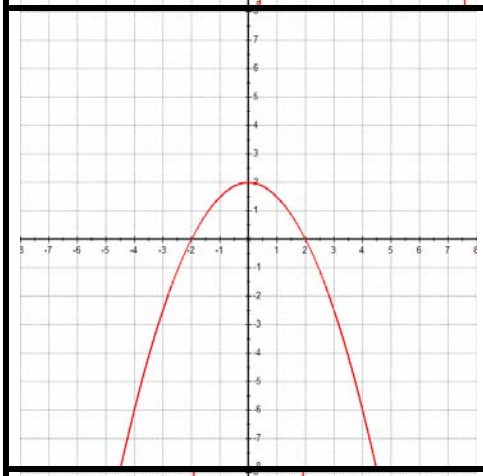
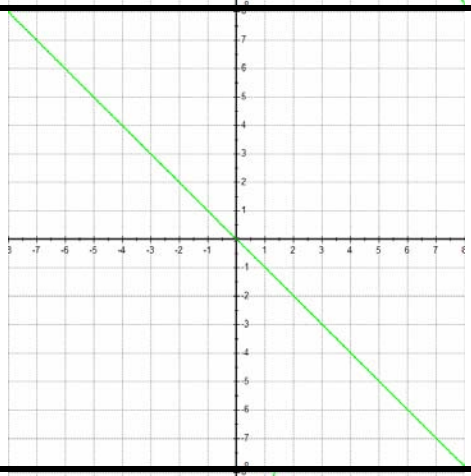
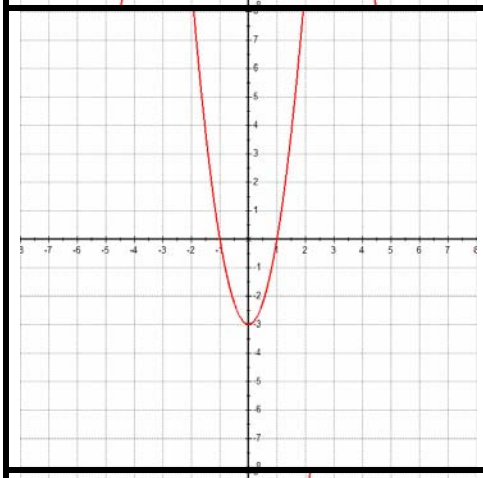
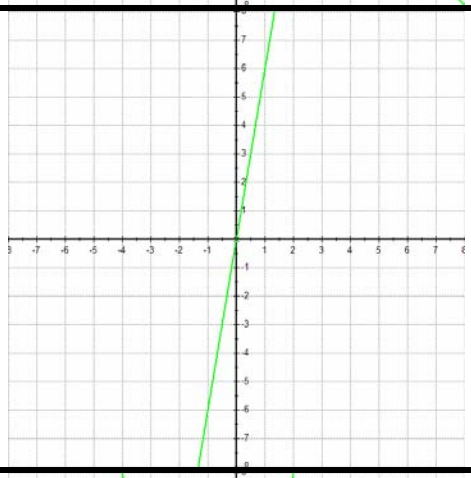
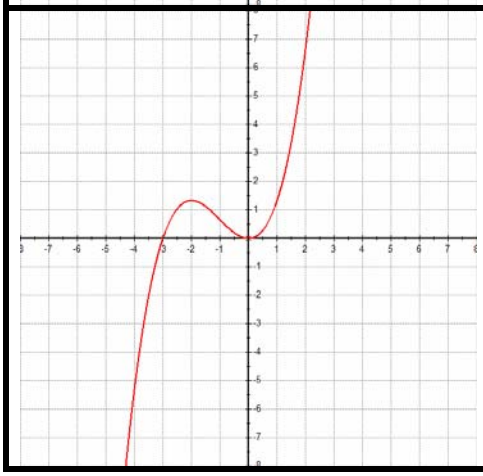
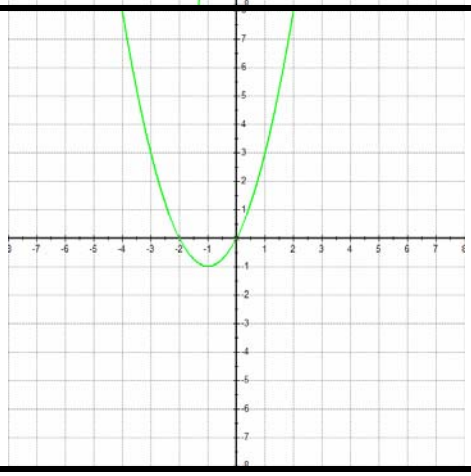
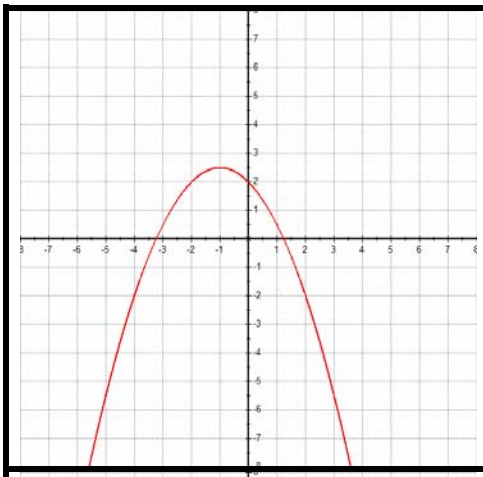
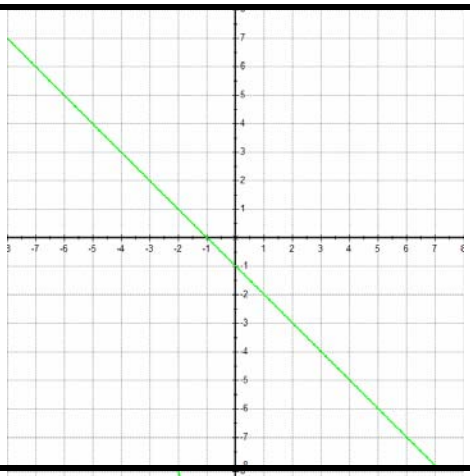
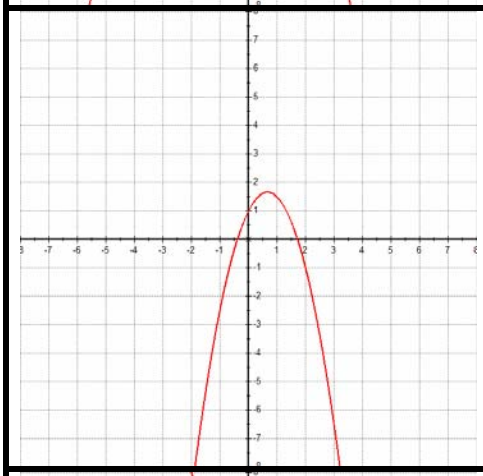
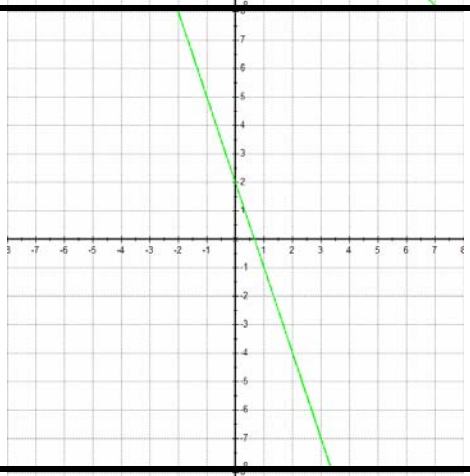
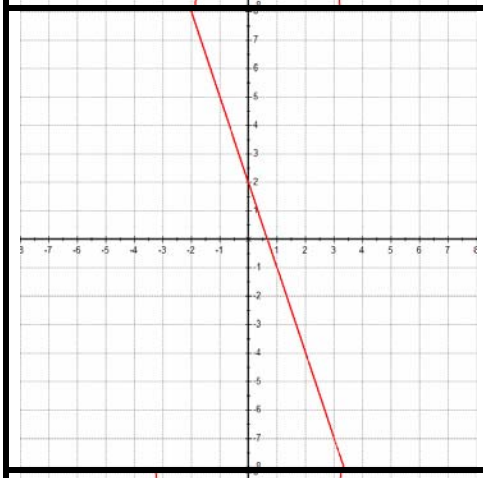
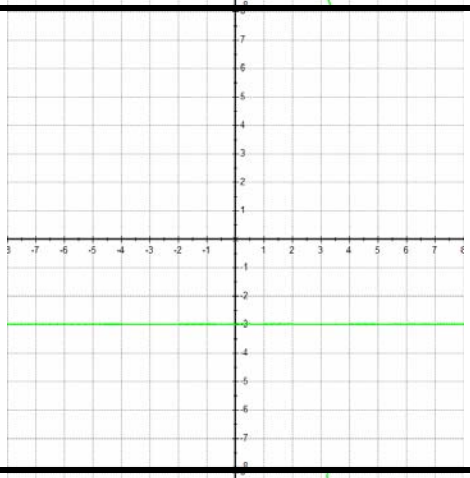
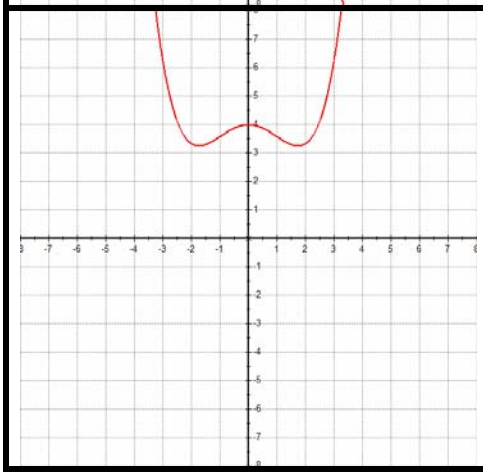
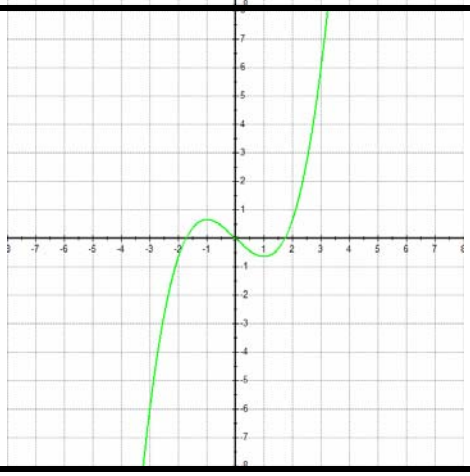
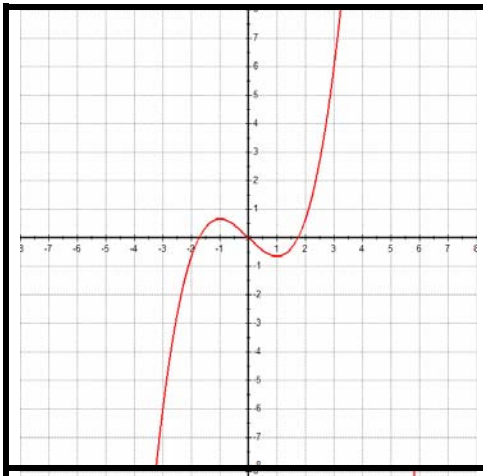
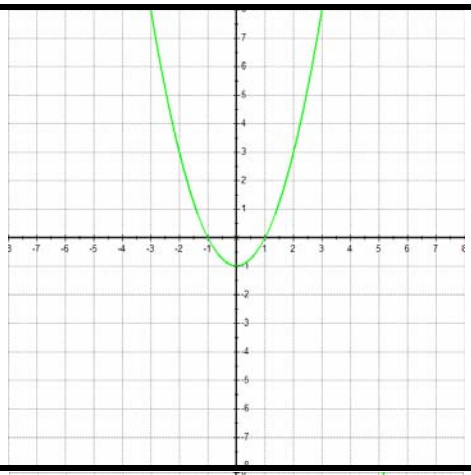
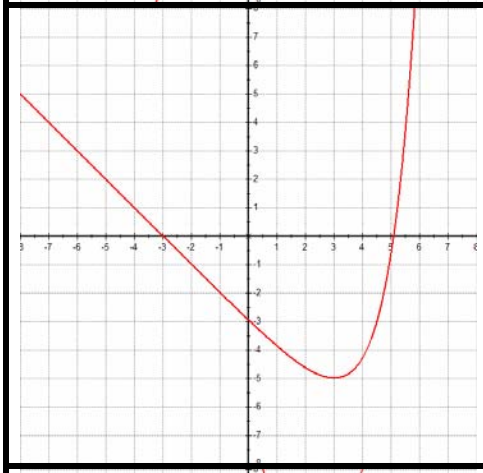
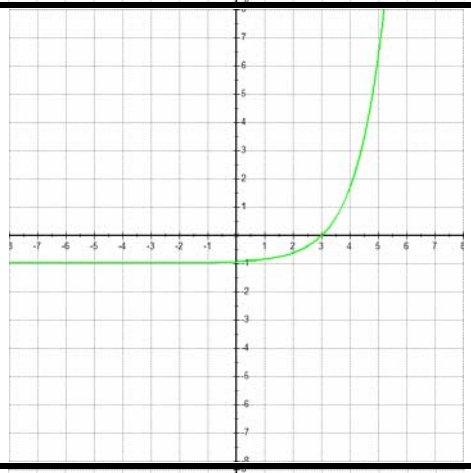
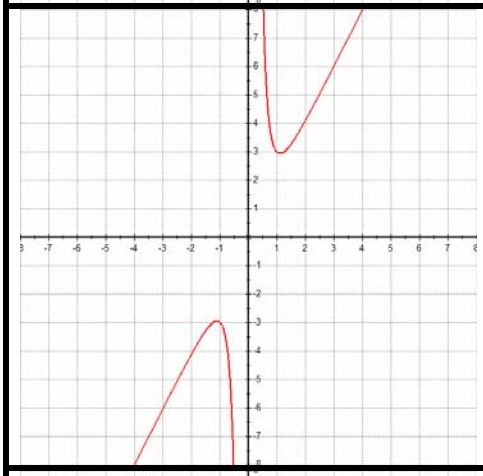
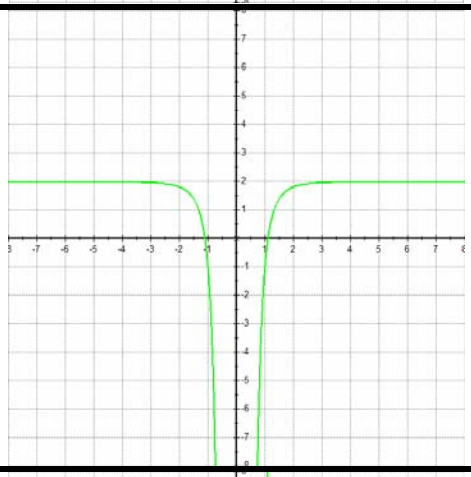
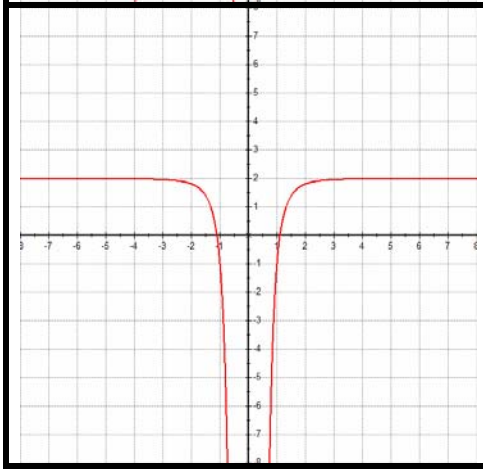
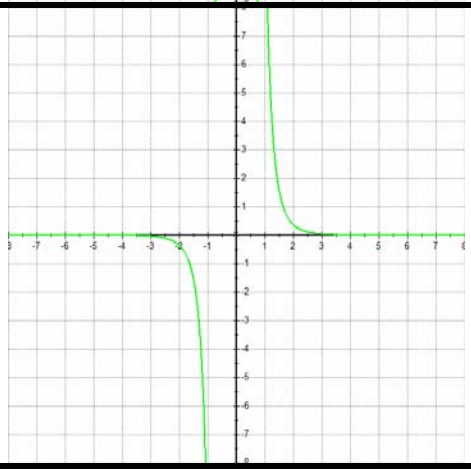
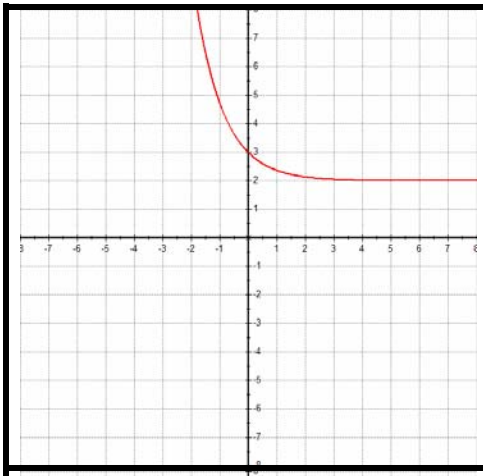
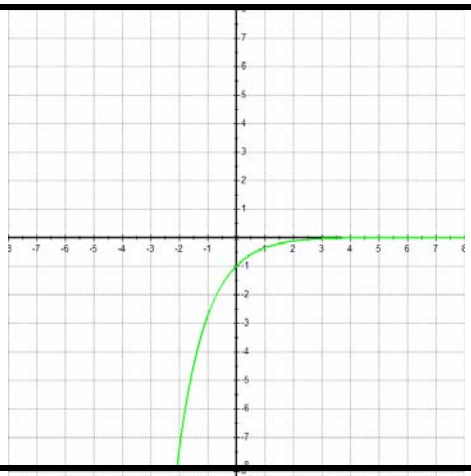
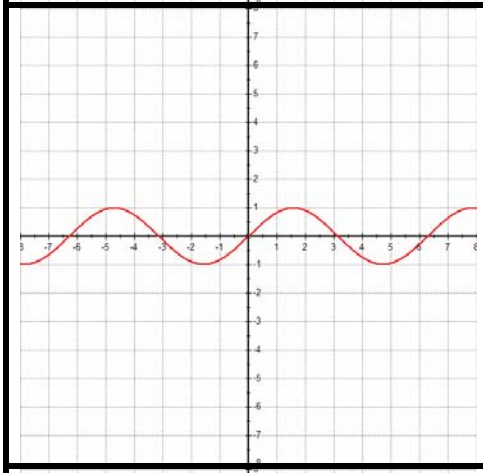
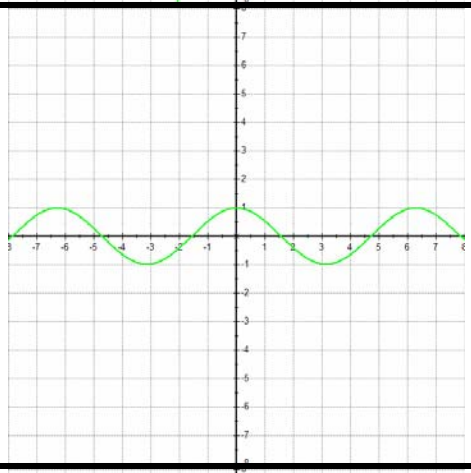
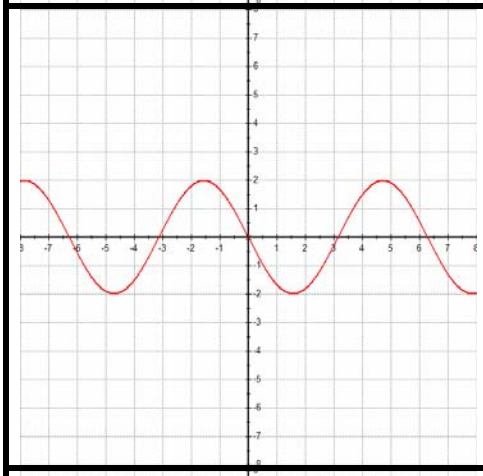
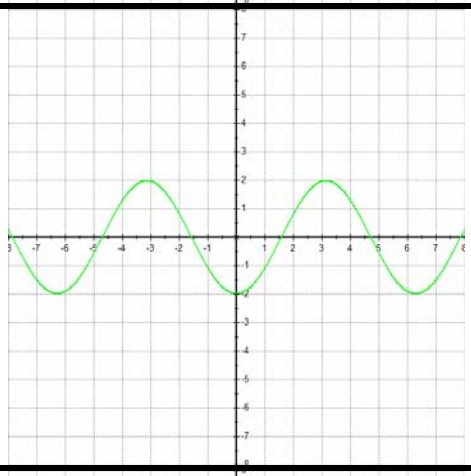
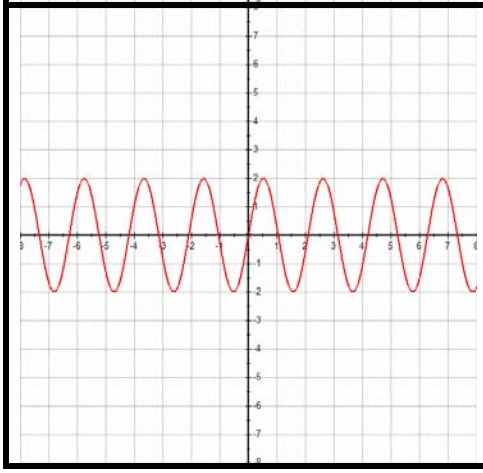
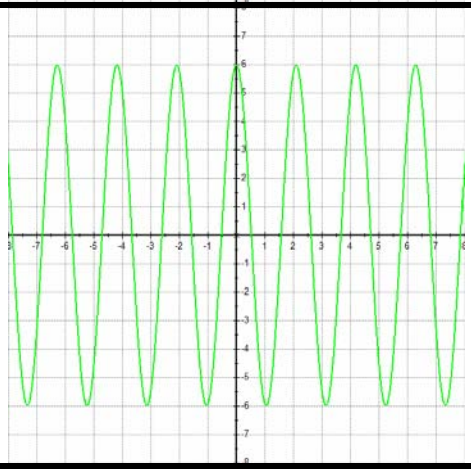
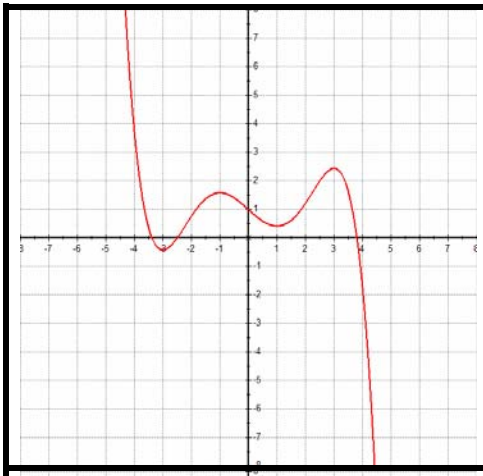
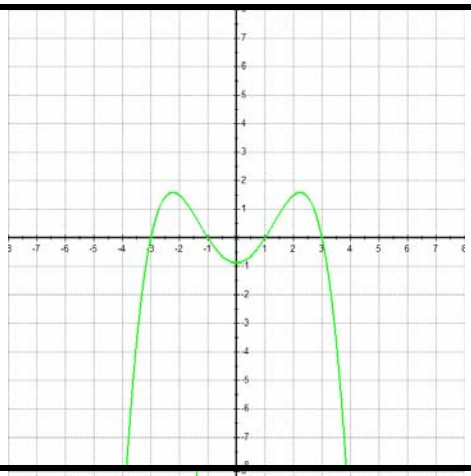
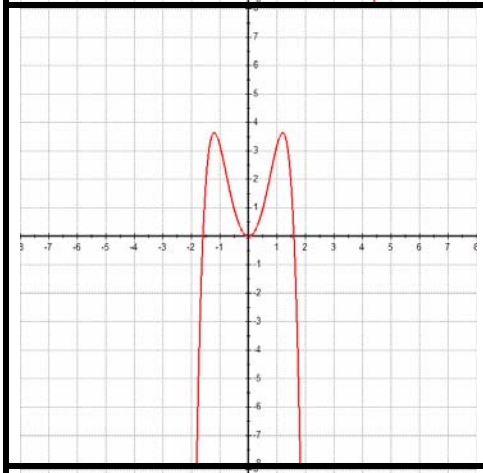
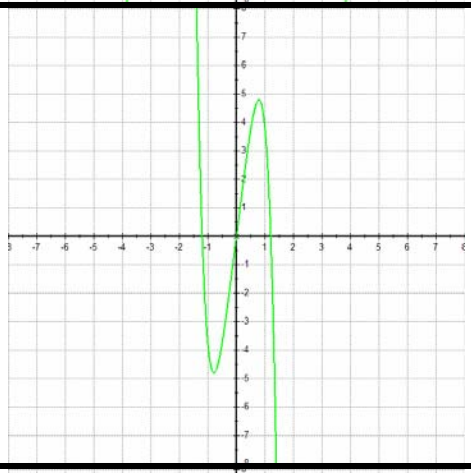
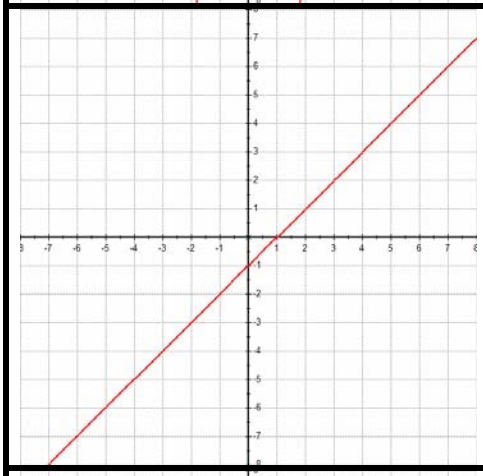
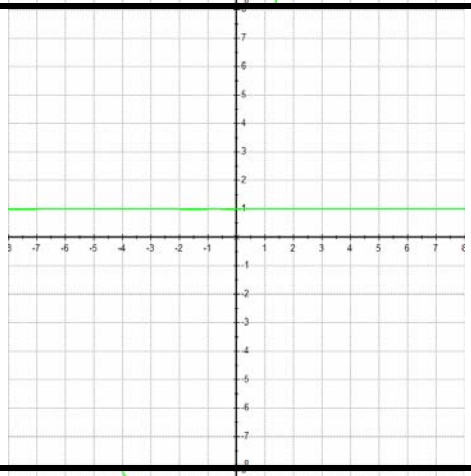
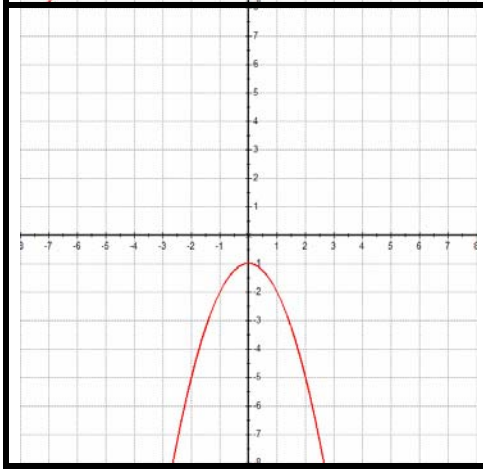
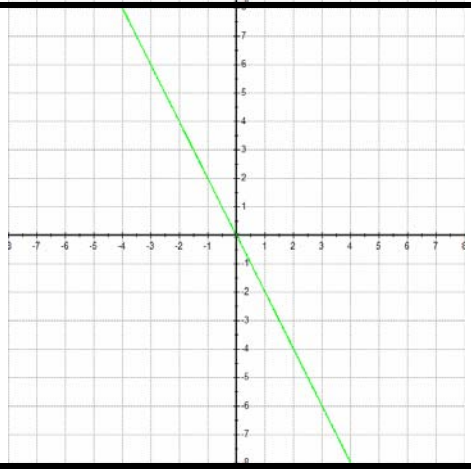
		Finde zu den roten Funktionen die grünen Ableitungen! $f(x) = x^2$ $f'(x) = 2x$
		$f(x) = x^3$ $f'(x) = 3x^2$
		$f(x) = x^4$ $f'(x) = 4x^3$
		$f(x) = x^5$ $f'(x) = 5x^4$

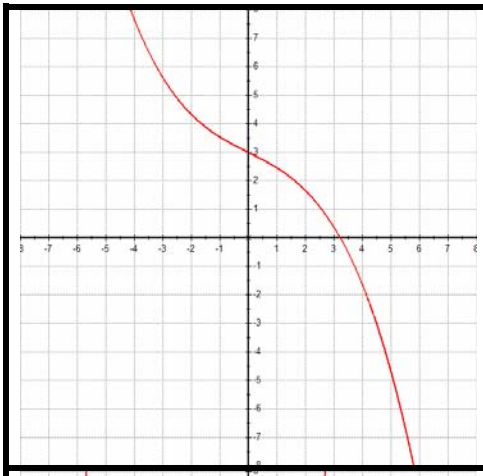
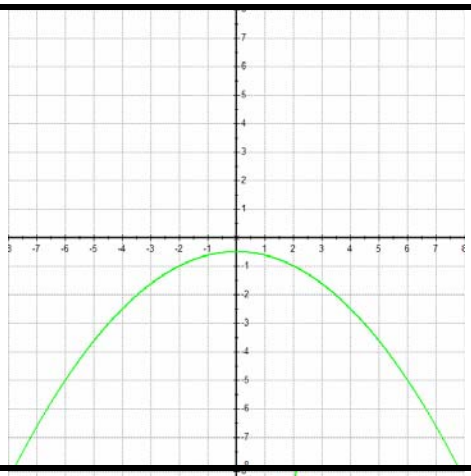
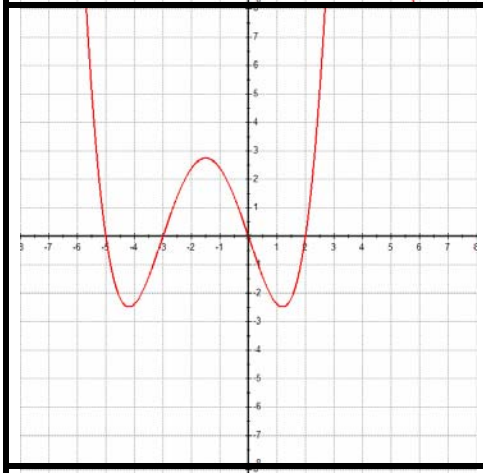
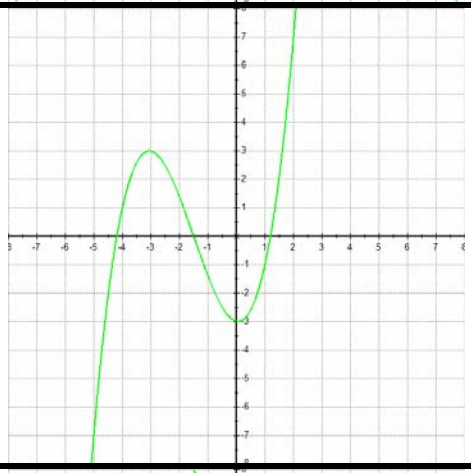
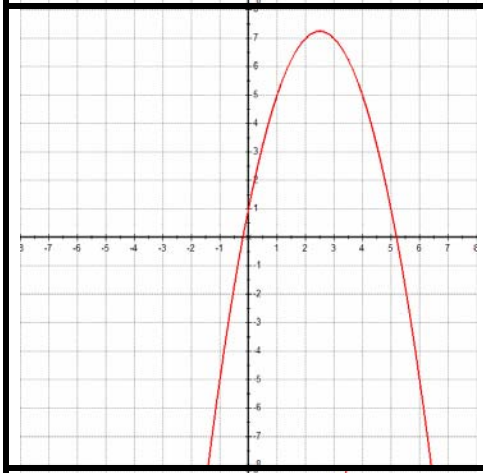
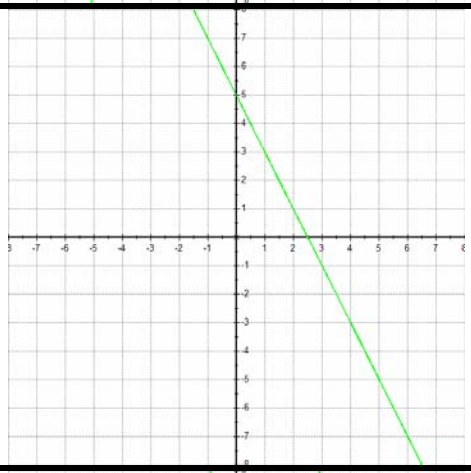
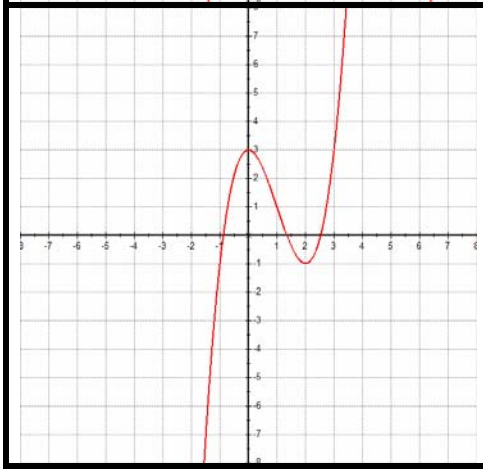
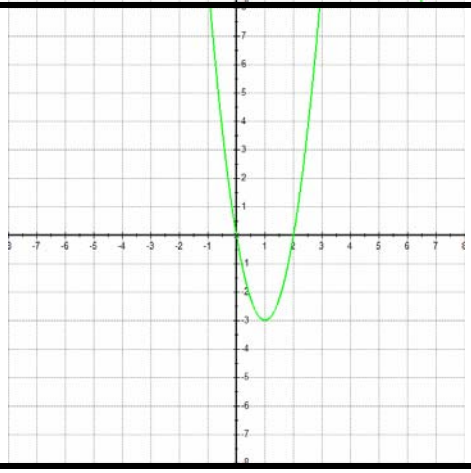
		$f(x) = -(x-4)^2 + 5$ $f'(x) = -2x + 8$
		$f(x) = -\frac{1}{2}x^2 + 2$ $f'(x) = -x$
		$f(x) = 3x^2 - 3$ $f'(x) = 6x$
		$f(x) = \frac{1}{3}x^3 + x^2$ $f'(x) = x^2 + 2x$

		$f(x)=-\frac{1}{2}x^2-x+2$ $f'(x)=-x-1$
		$f(x)=-\frac{3}{2}x^2+2x+1$ $f'(x)=-3x+2$
		$f(x)=-3x+2$ $f'(x)=-3$
		$f(x)=\frac{1}{12}x^4-\frac{1}{2}x^2+4$ $f'(x)=\frac{1}{3}x^3-x$

		$f(x)=\frac{1}{3}x^3-x$ $f'(x)=x^2-1$
		$f(x)=e^{x-3}-x-3$ $f'(x)=e^{x-3}-1$
		$f(x)=\frac{1}{x^3}+2x$ $f'(x)=-\frac{3}{x^2}+2$
		$f(x)=-\frac{3}{x^2}+2$ $f'(x)=\frac{6}{x}$

		$f(x) = e^{-x} + 2$ $f'(x) = -e^{-x}$
		$f(x) = \sin(x)$ $f'(x) = \cos(x)$
		$f(x) = -2 \cdot \sin(x)$ $f'(x) = -2 \cdot \cos(x)$
		$f(x) = 2 \cdot \sin(3x)$ $f'(x) = 6 \cdot \cos(3x)$

		$f(x)=-\frac{1}{50}x^5+\frac{1}{3}x^3-\frac{9}{10}x+1$ $f'(x)=-\frac{1}{10}x^4+x^2-\frac{9}{10}$
		$f(x)=-\frac{1}{2}x^6-\frac{3}{10}x^4+4x^2$ $f'(x)=-3x^5-\frac{6}{5}x^3+8x$
		$f(x)=x-1$ $f'(x)=1$
		$f(x)=-x^2-1$ $f'(x)=-2x$

		$f(x)=-\frac{1}{24}x^3-\frac{1}{2}x+3$ $f'(x)=-\frac{1}{8}x^2-\frac{1}{2}$
		$f(x)=x^4+6x^3-x^2-30x$ $f'(x)=4x^3+18x^2-2x-30$
		$f(x)=-x^2+5x+1$ $f'(x)=-2x+5$
		$f(x)=x^3-3x^2+3$ $f'(x)=3x^2-6x$

$f(x) = x^2$
$f'(x) = 2x$

$f(x) = x^2$
$f'(x) = 2x$

$f(x) = x^3$
$f'(x) = 3x^2$

$f(x) = x^3$
$f'(x) = 3x^2$

$f(x) = x^4$
$f'(x) = 4x^3$

$f(x) = x^4$
$f'(x) = 4x^3$

$f(x) = x^5$
$f'(x) = 5x^4$

$f(x) = x^5$
$f'(x) = 5x^4$

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

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

$f(x) = -\frac{1}{2}x^2 + 2$
$f'(x) = -x$

$f(x) = -\frac{1}{2}x^2 + 2$
$f'(x) = -x$

$f(x) = 3x^2 - 3$
$f'(x) = 6x$

$f(x) = 3x^2 - 3$
$f'(x) = 6x$

$f(x) = \frac{1}{3}x^3 + x^2$
$f'(x) = x^2 + 2x$

$f(x) = \frac{1}{3}x^3 + x^2$
$f'(x) = x^2 + 2x$

$$f(x) = -\frac{1}{2}x^2 - x + 2$$
$$f'(x) = -x - 1$$

$$f(x) = -\frac{1}{2}x^2 - x + 2$$
$$f'(x) = -x - 1$$

$$f(x) = -\frac{3}{2}x^2 + 2x + 1$$
$$f'(x) = -3x + 2$$

$$f(x) = -\frac{3}{2}x^2 + 2x + 1$$
$$f'(x) = -3x + 2$$

$$f(x) = -3x + 2$$
$$f'(x) = -3$$

$$f(x) = -3x + 2$$
$$f'(x) = -3$$

$$f(x) = \frac{1}{12}x^4 - \frac{1}{2}x^2 + 4$$
$$f'(x) = \frac{1}{3}x^3 - x$$

$$f(x) = \frac{1}{12}x^4 - \frac{1}{2}x^2 + 4$$
$$f'(x) = \frac{1}{3}x^3 - x$$

$$f(x)=\frac{1}{3}x^3-x$$
$$f'(x)=x^2-1$$

$$f(x)=\frac{1}{3}x^3-x$$
$$f'(x)=x^2-1$$

$$f(x)=e^{x-3}-x-3$$
$$f'(x)=e^{x-3}-1$$

$$f(x)=e^{x-3}-x-3$$
$$f'(x)=e^{x-3}-1$$

$$f(x)=\frac{1}{x^3}+2x$$
$$f'(x)=-\frac{3}{x^2}+2$$

$$f(x)=\frac{1}{x^3}+2x$$
$$f'(x)=-\frac{3}{x^2}+2$$

$$f(x)=-\frac{3}{x^2}+2$$
$$f'(x)=\frac{6}{x}$$

$$f(x)=-\frac{3}{x^2}+2$$
$$f'(x)=\frac{6}{x}$$

$f(x) = e^{-x} + 2$
$f'(x) = -e^{-x}$

$f(x) = e^{-x} + 2$
$f'(x) = -e^{-x}$

$f(x) = \sin(x)$
$f'(x) = \cos(x)$

$f(x) = \sin(x)$
$f'(x) = \cos(x)$

$f(x) = -2 \cdot \sin(x)$
$f'(x) = -2 \cdot \cos(x)$

$f(x) = -2 \cdot \sin(x)$
$f'(x) = -2 \cdot \cos(x)$

$f(x) = 2 \cdot \sin(3x)$
$f'(x) = 6 \cdot \cos(3x)$

$f(x) = 2 \cdot \sin(3x)$
$f'(x) = 6 \cdot \cos(3x)$

$$f(x) = -\frac{1}{50}x^5 + \frac{1}{3}x^3 - \frac{9}{10}x + 1$$
$$f'(x) = -\frac{1}{10}x^4 + x^2 - \frac{9}{10}$$

$$f(x) = -\frac{1}{50}x^5 + \frac{1}{3}x^3 - \frac{9}{10}x + 1$$
$$f'(x) = -\frac{1}{10}x^4 + x^2 - \frac{9}{10}$$

$$f(x) = -\frac{1}{2}x^6 - \frac{3}{10}x^4 + 4x^2$$
$$f'(x) = -3x^5 - \frac{6}{5}x^3 + 8x$$

$$f(x) = -\frac{1}{2}x^6 - \frac{3}{10}x^4 + 4x^2$$
$$f'(x) = -3x^5 - \frac{6}{5}x^3 + 8x$$

$$f(x) = x - 1$$
$$f'(x) = 1$$

$$f(x) = x - 1$$
$$f'(x) = 1$$

$$f(x) = -x^2 - 1$$
$$f'(x) = -2x$$

$$f(x) = -x^2 - 1$$
$$f'(x) = -2x$$

$$f(x) = -\frac{1}{24}x^3 - \frac{1}{2}x + 3$$
$$f'(x) = -\frac{1}{8}x^2 - \frac{1}{2}$$

$$f(x) = -\frac{1}{24}x^3 - \frac{1}{2}x + 3$$
$$f'(x) = -\frac{1}{8}x^2 - \frac{1}{2}$$

$$f(x) = x^4 + 6x^3 - x^2 - 30x$$
$$f'(x) = 4x^3 + 18x^2 - 2x - 30$$

$$f(x) = x^4 + 6x^3 - x^2 - 30x$$
$$f'(x) = 4x^3 + 18x^2 - 2x - 30$$

$$f(x) = -x^2 + 5x + 1$$
$$f'(x) = -2x + 5$$

$$f(x) = -x^2 + 5x + 1$$
$$f'(x) = -2x + 5$$

$$f(x) = x^3 - 3x^2 + 3$$
$$f'(x) = 3x^2 - 6x$$

$$f(x) = x^3 - 3x^2 + 3$$
$$f'(x) = 3x^2 - 6x$$