VAXA
S O F T W A R E

Exercises of Study of functions

1) Match each linear function to its graph:

a) $y = 2x + 2$	**b)** $y = 0.5x + 8$	**c)** $y = -2.7x - 7$	**d)** $y = 5$
e) $y = 0.5x - 8$	**f)** $y = -0.6x - 3$	**g)** $y = -0.4x + 6$	**h)** $y = -8$
i) $y = 2x - 2$			
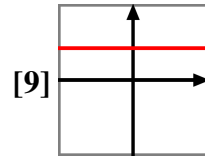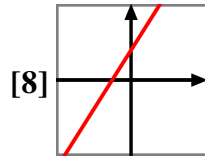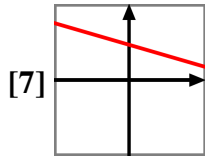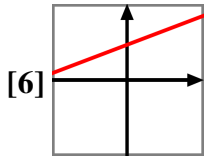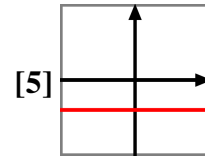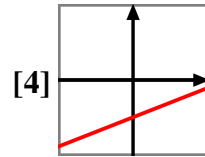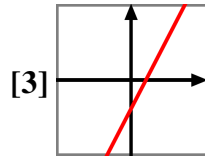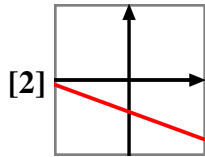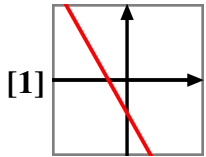
2) Match each polynomial function with its graph:

a) $y = x^2 + 5$	**b)** $y = -5x^2$	**c)** $y = -3x^2 + 6$	**d)** $y = -2x^2 + x$
e) $y = 0.9x^2$	**f)** $y = 4x^2$	**g)** $y = 2x^2 - 4$	**h)** $y = 3x^2 - 7x$
i) $y = -2x^2 - 2$			
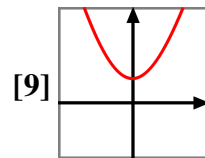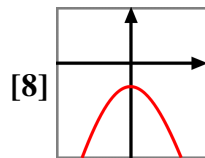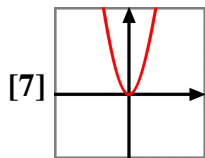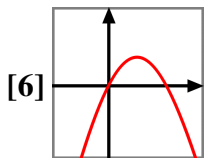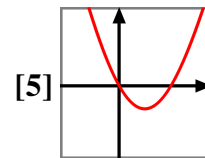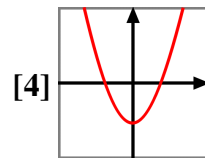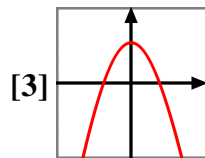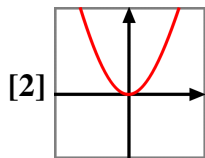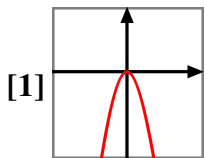
3) Match each polynomial function with its graph:

a) $y = -2x^3 + 3$	**b)** $y = 2x^3 - 7$	**c)** $y = 2x^3 + 8$	**d)** $y = -4x^3 - 4x^2$
e) $y = -4x^3$	**f)** $y = 2x^3 - 4x^2$	**g)** $y = -2x^3 + 9x^2$	**h)** $y = x^3$
i) $y = -3x^3 + x$			
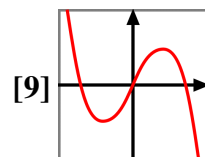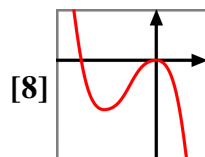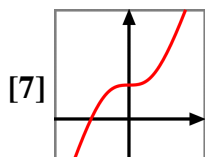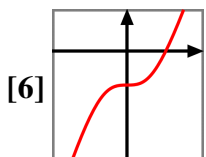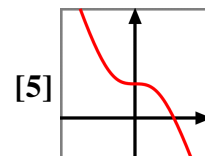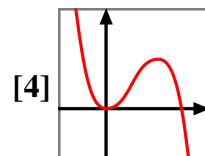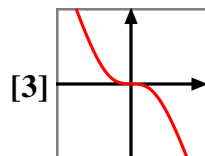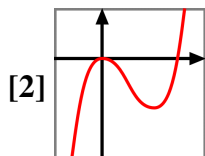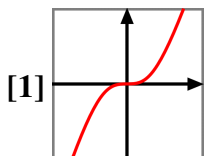
Exercises of Study of functions

4) Match each function with its graph:

a) $y = \dfrac{4}{x+3}$

b) $y = 4^{-x}$

c) $y = -\sqrt{4x}$

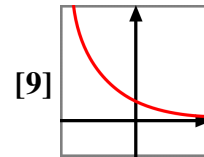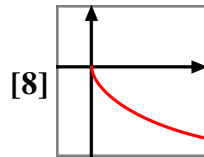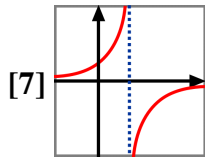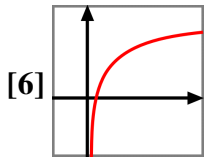**d)** $y = -\dfrac{21}{x+4}$

e) $y = -\dfrac{17}{x-3}$

f) $y = \ln(9x)$

g) $y = \dfrac{1}{x-7}$

h) $y = \sqrt{x}$

i) $y = -\dfrac{25}{x}$

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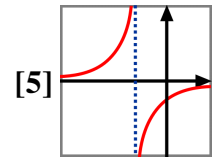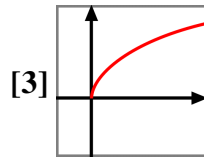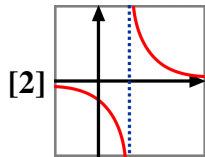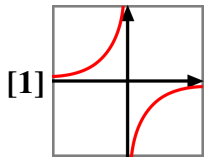
Exercises of Study of functions

Answers:

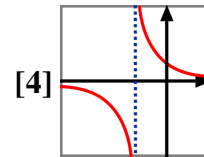|						
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	g) [7]	**h) [5]**	**i) [3]**			
2)	**a) [9]**	**b) [1]**	**c) [3]**	**d) [6]**	**e) [2]**	**f) [7]**
	g) [4]	**h) [5]**	**i) [8]**			
3)	**a) [5]**	**b) [6]**	**c) [7]**	**d) [8]**	**e) [3]**	**f) [2]**
	g) [4]	**h) [1]**	**i) [9]**			
4)	**a) [4]**	**b) [9]**	**c) [8]**	**d) [5]**	**e) [7]**	**f) [6]**
	g) [2]	**h) [3]**	**i) [1]**			