Here are Linear	e the names of si	x parent functions: Cubic		Reciprocal	
Quadrati	c	Absolute value		Kadical	
# 1- 7 Give the	name of the par	rent function and desc	ribe the Transform	ation(s) represented	
1. $g(x) = x^2 - 1$ Transformation	Name: n(s):		5. $g(x) = \frac{1}{x+6}$	Name:	
2 f(x) = 2 [x, 1]	Nama		Transformation(s	;):	
2. $I(x) = 2 x-1 $ Transformation	n(s):		6. $f(x) = x+5 - 2$	2 Name:	
			Transformation(s	5):	

3. $h(x) = \sqrt{x-2}$ Name:

Transformation(s):

4. $g(x) = x^3 + 3$ Name:

Transformation(s):

7. $h(x) = \frac{1}{x} - 5$ Name:

Transformation(s):

Here are the names of six parent functions:					
Linear	Cubic	Reciprocal			
Quadratic	Absolute value	Radical			

- Give the name of the parent function and describe the Transformation(s) represented. #1-7
- 1. $g(x) = x^2 1$ Name: 5. $g(x) = \frac{1}{x+6}$ Transformation(s): 2. f(x) = 2|x-1|Name: 6 Transformation(s): Transformation(s): 3. $h(x) = \sqrt{x-2}$ Name:
 - Transformation(s):
- 4. $g(x) = x^3 + 3$ Name:

Transformation(s):

Name: Transformation(s):

6.
$$f(x) = |x+5| - 2$$
 Name:

7.
$$h(x) = \frac{1}{x} - 5$$
 Name:
Transformation(s):

Identify the domain and range of the function. Describe the Transformation(s) from its parent function							
8. $g(x) = 3\sqrt{x}$	Domain :	Range :	Transformation(s):				
9. $h(x) = -x^2 + 1$	Domain :	Range :	Transformation(s):				
10. $h(x) = - x - 2 $	Domain :	Range :	Transformation(s):				
11. $f(x) = \frac{3}{4}\sqrt{x}$	Domain :	Range :	Transformation(s):				
12. $h(x) = 6 (x + 9)^2$	Domain :	Range :	Transformation(s):				

Given the parent function and a description of the Transformation(s), write the equation of the transformed function, f(x).

- 13. Absolute value—vertical shift up 5, horizontal shift right 3.
- 14. Radical—vertical compression by $\frac{2}{5}$
- 15. Cubic—reflected over the x axis and vertical shift down 2

Domain .

16. Reciprocal—vertical stretch by 8

8 $\sigma(\mathbf{x}) = 3\sqrt{x}$

17. Quadratic-vertical compression by .45, horizontal shift left 8.

Identify the domain and range of the function. Describe the Transformation(s) from its parent function.

Transformation(s).

Range ·

		itange i	
9. $h(x) = -x^2 + 1$	Domain :	Range :	Transformation(s):
10. $h(x) = - x - 2 $	Domain :	Range :	Transformation(s):
11. $f(x) = \frac{3}{4}\sqrt{x}$	Domain :	Range :	Transformation(s):
12. $h(x) = 6 (x + 9)^2$	Domain :	Range :	Transformation(s):

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