

# COLORING ACTIVITY

Name \_\_\_\_\_ Date \_\_\_\_\_

## EVALUATING FUNCTIONS

**Directions:** Use the following functions below to evaluate each problem. Circle your answer choice and color the corresponding numbers on the coloring sheet.

$f(x) = 3x + 17$ 
 $g(x) = x^2 - 1$ 
 $h(x) = \frac{5}{x}$ 
 $j(x) = 1 - (2x - 9)$

$m(x) = \frac{x+5}{3}$ 
 $n(x) = 20 - x$ 
 $p(x) = \frac{3}{4}x$ 
 $r(x) = (x+1)(x-3)$

1 Evaluate $f(5)$ .	-4 Red	52 Blue	32 Yellow Green	7.3 Black
2. If $x = 10$ , find the value of $x$ .	64 Yellow	-36 Red	12 Aqua	-4 Orange
3. If $x = 10$ , find the value of $x$ .	35 Maroon	38 Pink	-2 Light Blue	2 Dark Blue
4. If $x = 10$ , find the value of $x$ .	-11 White	1 Red	233 Brown	-1 Dark Green
5. If $x = 10$ , find the value of $x$ .	0.1 White	10 Orange	25 Green	55 Purple
6. If $x = 10$ , find the value of $x$ .	-7 Dark Red	3 Light Pink	63 Dark Purple	15 Black
7. If $x = 10$ , find the value of $x$ .	119 Yellow	121 Green	14,399 Blue	11 Orange
8. If $x = 10$ , find the value of $x$ .	10 Pink	5 Light Green	16 Dark Red	99 Light Purple
9. If $x = 10$ , find the value of $x$ .	14 Tan	-6 Light Blue	20 Gray	-5.3 Green
10. If $x = 10$ , find the value of $x$ .	28 Dark Green	-28 Dark Orange	12 Aqua	-12 White
11. If $x = 10$ , find the value of $x$ .	-8 Dark Brown	5 Light Pink	9 Black	21 Red
12. If $x = 10$ , find the value of $x$ .	0.4 Aqua	-12 Dark Purple	10 Maroon	7 Teal
13. If $x = 10$ , find the value of $x$ .	-213 Gray	-28 Yellow Green	-31 White	
14. If $x = 10$ , find the value of $x$ .	23 Green	-1 Light Blue	Red	
15. If $x = 10$ , find the value of $x$ .		-8.33 Orange		

# ALGEBRA

# EVALUATING FUNCTIONS



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$$f(x) = 3x + 17$$

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$$h(x) = \frac{5}{x}$$

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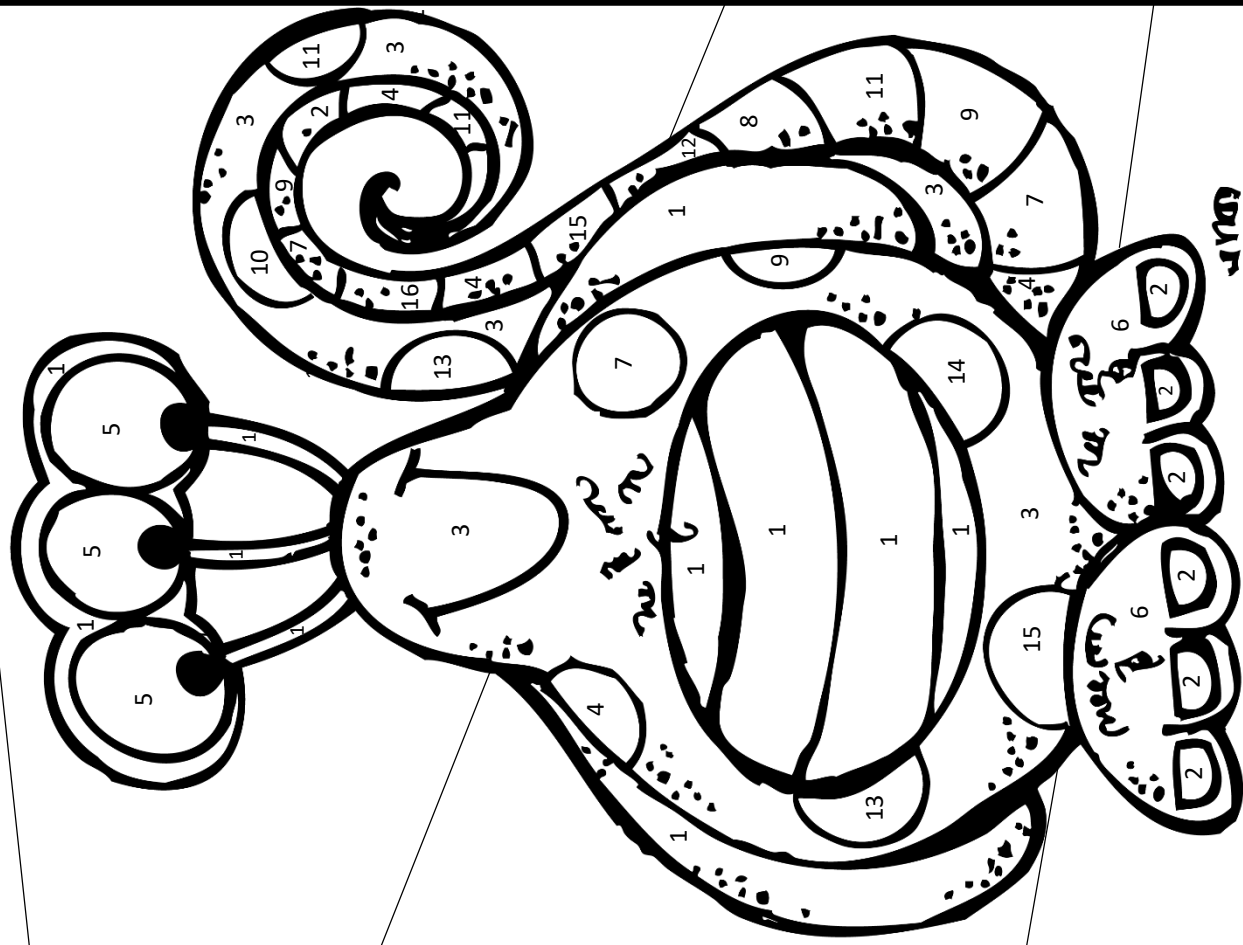
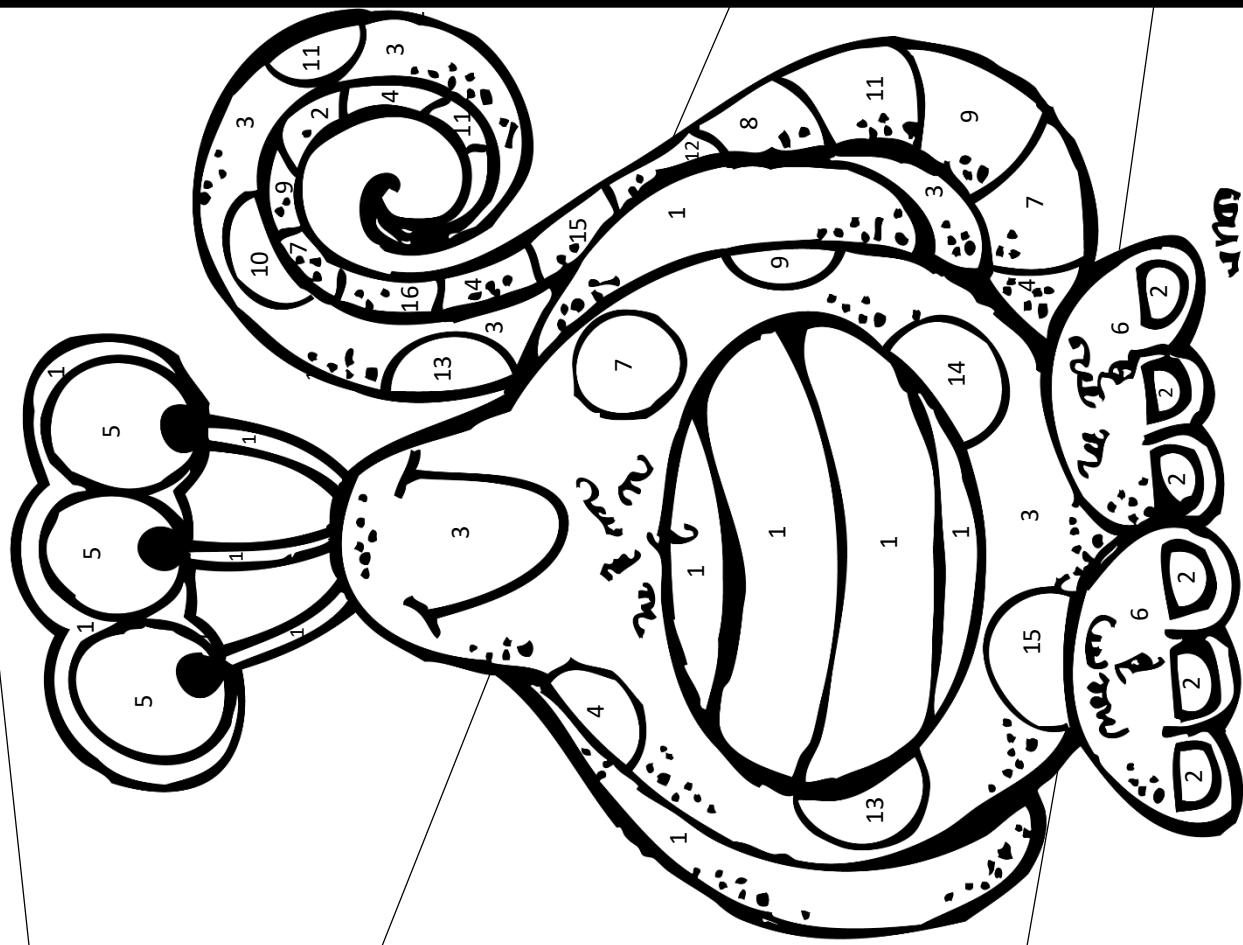
$$m(x) = \frac{x + 5}{3}$$

$$n(x) = 20 - x$$

$$p(x) = \frac{3}{4}x$$

$$r(x) = (x + 1)(x - 3)$$

1 Evaluate $f(5)$ .	-4 Red	52 Blue	32 Yellow Green	7.3 Black
2 If $p(x) = -48$ , find the value of $x$ .	64 Yellow	-36 Red	12 Aqua	-64 Orange
3 If $n(x) = 18$ , find the value of $x$ .	35 Maroon	38 Pink	-2 Light Blue	2 Dark Blue
4 Evaluate $m(-2)$ .	-11 White	1 Red	2.33 Brown	-1 Dark Green
5 Evaluate $h(50)$ .	0.1 White	10 Orange	25 Green	55 Purple
6 Evaluate $g(-8)$ .	-7 Dark Red	3 Light Pink	63 Dark Purple	15 Black
7 If $g(x) = 120$ , find the value of $x$ .	119 Yellow	121 Green	14,399 Blue	11 Orange
8 Evaluate $j(0)$ .	10 Pink	5 Light Green	$\frac{1}{2}$ Dark Red	99 Light Purple
9 If $f(x) = -1$ , find the value of $x$ .	14 Tan	-6 Light Blue	20 Gray	-5.3 Green
10 Evaluate $n(-8)$ .	28 Dark Green	-28 Dark Orange	12 Aqua	-12 White
11 Evaluate $r(-4)$ .	-3 Dark Brown	5 Light Pink	9 Black	21 Red
12 If $h(x) = 2$ , find the value of $x$ .	0.4 Aqua	2.5 Light Brown	10 Maroon	7 Teal
13 Evaluate $p(-16)$ .	-21.3 Gray	12 Dark Orange	-12 Light Purple	36 Aqua
14 If $j(x) = -48$ , find the value of $x$ .	29 Green Blue	-28 Yellow Green	-31 White	-29 Maroon
15 If $r(x) = 0$ , find the value of $x$ .	-3 Black	-1 Light Blue	1 Red	0 Pink
16 If $m(x) = -10$ , find the value of $x$ .	45 Purple	-45 Maroon	-8.33 Orange	-35 Dark Pink



Name \_\_\_\_\_

Date \_\_\_\_\_

**Answer Key**

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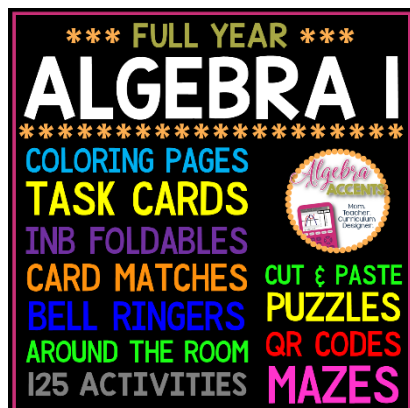
$$p(x) = \frac{3}{4}x$$

$$r(x) = (x + 1)(x - 3)$$

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