

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	73 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	14.389 Blue	11 Orange
8 Evaluate $j(0)$	10 Pink	5 Light Green	1/2 Dark Red	99 Light Purple
9 If $r(x) = -1$, 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	121 Red
12 If $h(x) = 2$, find the value of x	0.4 Aqua	2.5 Light Brown	10 Maroon	7 Teal
13 Evaluate $p(-16)$	-213 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

©2015 Marie De Los Reyes

$$13. p(-16) = \frac{3}{4}(-16)$$

$$p(-16) = -\frac{48}{4}$$

$$p(-16) = -12$$

$$14. -48 = 1 - (2x - 9)$$

$$-48 = 1 - 2x + 9$$

$$-58 = -2x$$

$$x = 29$$

$$16. -10 = \frac{x+5}{3}$$

$$-30 = x+5$$

$$x = -35$$

$$1. f(5) = 3(5) + 17$$

$$f(5) = 15 + 17$$

$$f(5) = 32$$

$$7. 120 = x^2 - 1$$

$$121 = x^2$$

$$\sqrt{121} = \sqrt{x^2}$$

$$x = 11$$

$$8. j(0) = 1 - (2(0) - 9)$$

$$j(0) = 1 - (-9)$$

$$j(0) = 10$$

$$9. -1 = 3x + 17$$

$$-18 = 3x$$

$$x = -6$$

$$3. 18 = 20 - x$$

$$-2 = -x$$

$$x = 2$$

$$10. n(-8) = 20 - (-8)$$

$$n(-8) = 20 + 8$$

$$n(-8) = 28$$

$$m(-2) = 1$$

$$m(-2) = \frac{3}{3}$$

$$11. r(-4) = (-4+1)(-4-3)$$

$$r(-4) = (-3)(-7)$$

$$r(-4) = 21$$

$$5. h(50) = \frac{5}{50}$$

$$h(50) = \frac{1}{10} = 0.1$$

$$12. 2 = \frac{5}{x}$$

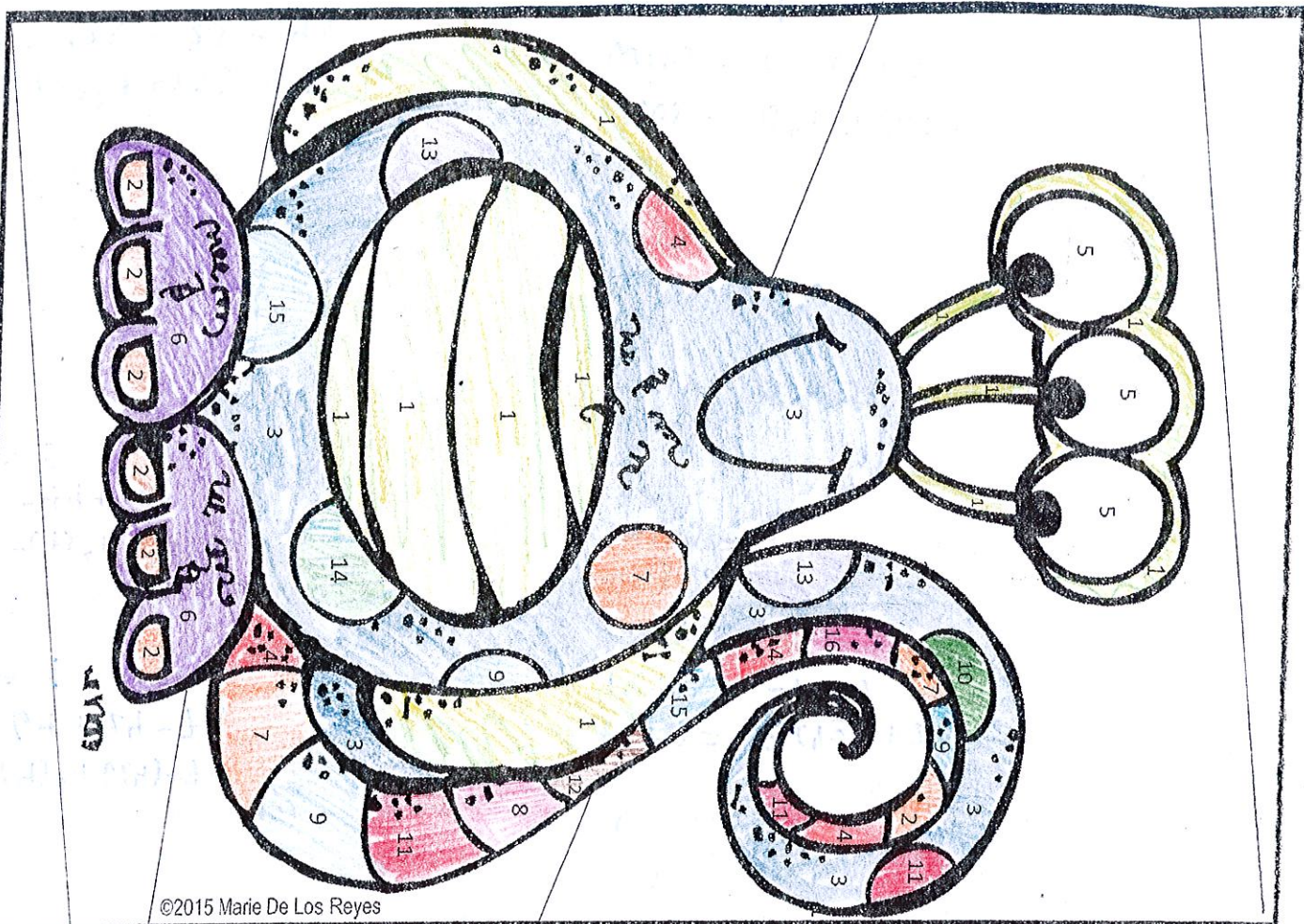
$$2x = 5$$

$$x = 2.5$$

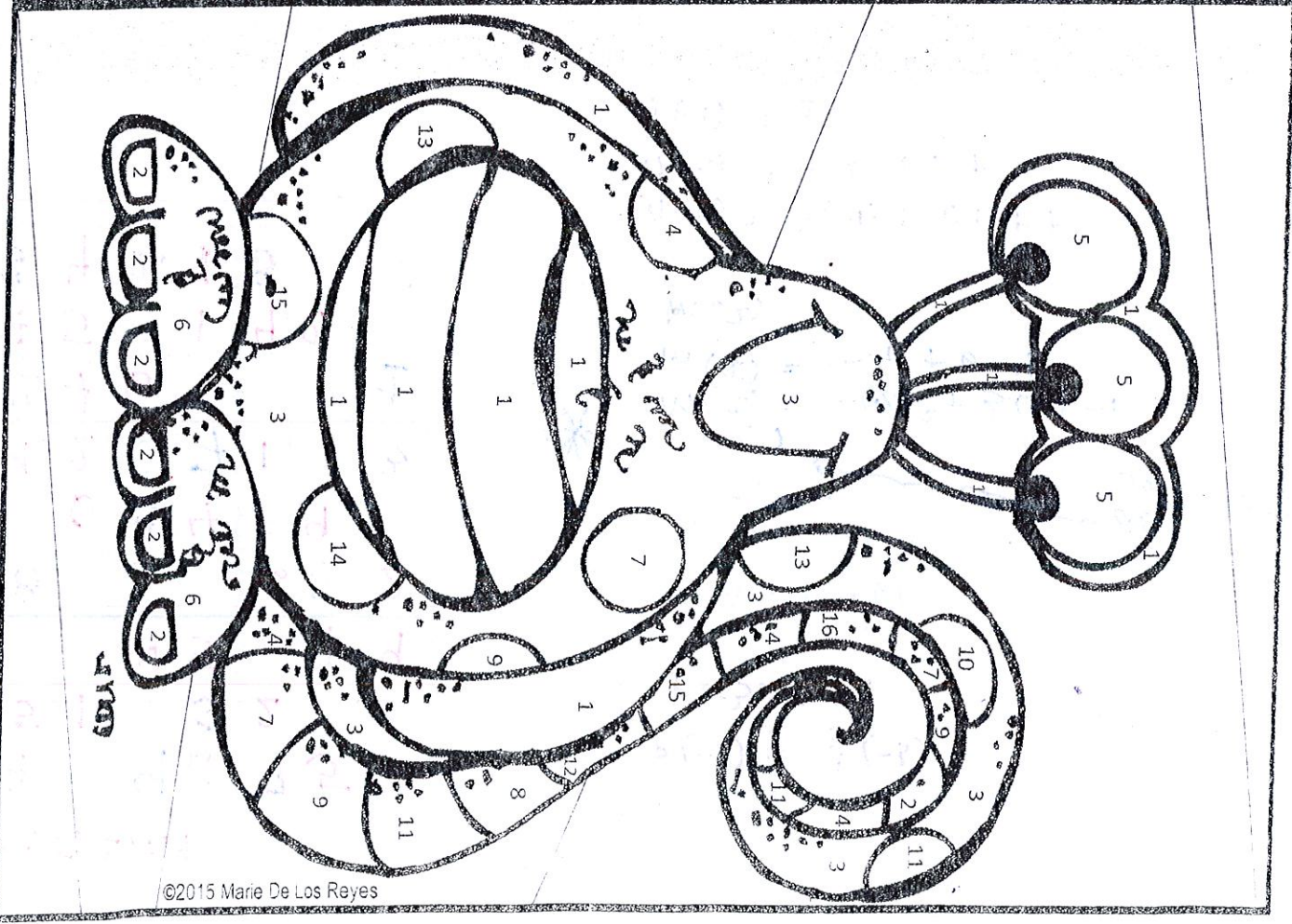
$$6. g(-8) = (-8)^2 - 1$$

$$g(-8) = 64 - 1$$

$$g(-8) = 63$$



©2015 Marie De Los Reyes



©2015 Marie De Los Reyes