Name

Solutions for Equations and Inequalities

Tell which value(s) of the variable are solutions to the equation or inequality.

1.	<i>p</i> - 13 = 6	ρ = 17, 18, 19, 20	2. 3.4 + c > 6	c = 1.1, 2.2, 3.3, 4.4
3.	$0.2 \le g + 4$	<i>g</i> = 0.1, 0.2, 0.5, 1.3	4. 6 ≥ 12 − <i>d</i>	<i>d</i> = 0, 2, 3, 5
5.	$r - 0 \ge 4.9$	<i>r</i> = 3.4, 4.6, 7.7, 9	6. 45 - 19.6 = b	b = 25.4, 64.6, 70
7.	5 + q > 7.2	<i>q</i> = 0, 3, 5	8. 18.2 + c < 18.2	c = 0, 3, 6, 9
9.	7.6 + <i>a</i> = 9.7	a = 0.7, 1.1, 1.9, 2.1	10. <i>x</i> - 5 < 74	<i>x</i> = 85, 82, 80, 75
11.	$3.4 - y \le 1.4$	<i>y</i> = 3.3, 2.6, 1, 0	12. <i>n</i> + 10 ≥ 41.2	<i>n</i> = 22, 28, 30, 31.1
13.	$9.6 - y \le 4.3$	<i>y</i> = 3.3, 3.6, 4.4, 5.5	14. 0.6 + <i>a</i> = 1.3	<i>a</i> = 0.5, 06, 0.7, 0.8
15.	\$7.26 - b = \$	3.01 b = \$6.25, \$6.24, \$5	.25, \$4.25	
16.	Carole has spe	ent \$14.65 of a \$20.00 gift c	ard on a new T-shirt.	

- **16.** Carole has spent \$14.65 of a \$20.00 gift card on a new T-shirt. Can she purchase \$4.55 worth of merchandise with the balance on the card? If x =\$4.55, use \$14.65 + $x \le$ \$20.00 to decide.
- **17. Algebra** Which number when substituted for *y* is a solution to the following inequality?

 $y + 0.5 \ge 5$

A 4.9 B 3.6 C 2.2 D	0.5
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18. Writing to Explain Andre is running in a 5-kilometer race. He just passed the 3.2-kilometer mark and thinks that he has only 0.8 kilometer more to run. Use the equation 3.2 + d = 5 to explain whether or not Andre is correct.