

**Clearview Regional High School District
2018 Summer Assignment Coversheet**

Course:	Honors Algebra 1
Teacher(s):	Miller, Wescott, Dolan, Catts
Due Date:	September 7, 2018 (checked for completion only)
Purpose of Assignment:	To assess the students understanding of concepts necessary for Honors Algebra I.
Description of Assignment:	Students will solve problems involving fractions, integers, expressions, equations, inequalities and graphs. All problems are to be solved without the use of a calculator.
Common Core and/or NJ Core Curriculum Content Standards covered:	7.NS.A.1, 7.NS.A.2, 7.NS.A.3 – The Number System 7.EE.A.1, 7.EE.A.2, 7.EE.A.3, 7.EE.A.4 – Expressions and Equations 7.RP.A.2, 7.RP.A.3 – Ratios and Proportional Relationships
Grading/Use of Assignment: Category/Weight for Q1:	The actual packet will be checked for completion and will count as a homework grade. All work must be shown to receive full credit. The students will also be quizzed on this material on September 11th . Quizzes are 30% of your grade.
Specific Expectations:	Students are to try every problem. Students should also come to class with questions on any problems they did not understand.
Where to Locate Assignment:	Clearview Website
Teacher Contact Information:	Mrs. Jill Miller millerji@clearviewregional.edu Mrs. Karisa Wescott wescottka@clearviewregional.edu Mrs. Cheryl Catts cattsch@clearviewregional.edu Mrs. Carrie Dolan dolanca@clearviewregional.edu
Additional Help/Resource(s):	Learnzillion.com, mathisfun.com, khanacademy.org, analyzemath.com, freemathhelp.com, analyzemath.com

Name _____

Add, subtract, multiply or divide.

1] $-4 \cdot 12 =$	2] $-16 + (-3) =$
3] $-14 + 65 =$	4] $32 - (-21) =$
5] $-56 \div (-8) =$	6] $-2 \cdot 8 \cdot (-4) =$
7] $-43 + (-18) =$	8] $-52 - 16 =$
9] $36 \div (-4) =$	10] $-34 + 10 =$
11] $-54 - (-23) =$	12] $-15 \times (-5) =$
13] $-12.63 + -35.89 =$	14] $-2.3 \cdot 0.32 =$
15] $-1.7 \cdot 4\frac{1}{2} =$	16] $-2\frac{2}{3} \cdot (-6.3) =$

17] $-\frac{4}{7} + \frac{2}{3} =$	18] $-\frac{27}{35} \cdot \left(-\frac{28}{63}\right) =$
19] $-\frac{3}{8} - \frac{4}{5} =$	20] $-\frac{16}{25} \div \frac{32}{45} =$
21] $4\frac{1}{3} - \left(-6\frac{3}{5}\right) =$	22] $-9\frac{2}{7} + 4\frac{5}{6} =$
23] $-5\frac{1}{4} \times 2\frac{2}{3} =$	24] $-6\frac{2}{5} \div \left(-4\frac{2}{3}\right) =$

Simplify.

25] $\frac{1}{2}(10 - 20) + (-3 + 8) =$	26] $3^2 - 18 + 32 \div (-4) =$
27] $ -4 - 6 - -8 + 15 =$	28] $ -4 \times 12 + 2 -9 - (-15) =$

Evaluate if $a = -4$, $b = \frac{1}{3}$, $c = 8$.

29] $2a + 15b - 6c$	30] $[4a + (b^2 \cdot 54)] \div \frac{1}{c}$
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Write an algebraic expression, equation, or inequality for each verbal statement.

31] 7 more than 11 times a number increased by the quotient of y and z.	32] 6 less than m is less than or equal to 8 increased by the difference of 10 and x.
33] 12 more than 3 times b is equal to half the product of 6 and b.	

Write a verbal description for each algebraic expression or equation.

34] $4(2a - 3)$	35] $3a + 4 = -2(x - 3)$
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Evaluate each expression.

36] $24 \div (18 \div 6) + 2^3 \cdot 4$	37] $\frac{11-8(2)}{1+7 \cdot 2}$
38] $[97 - 4]^2 + 3 + 15 \div (-1)^3$	39] $\frac{[8(2)-4^2]+7(4)}{-2^2+6}$

40] Find the sale price of a \$56 shirt marked down 25%.	41] Find the total cost of a \$98 blue ray player after 7% sales tax.
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Use the distributive property and/or combining like terms to simplify each expression.

42] $-7m + 5n - 12 + 15m - 6n - 8$	43] $3(4a - 6) - 9$
44] $2(4x - 3y) - 5(3x - y)$	45] $4(5m - 2n + 3p) + 6(-2m - 3n - 4p)$
46] $\frac{2}{7}(42x - 21) - 9x$	47] $\frac{1}{5}(10a - 25b) - \frac{3}{4}(24a - 16b)$

Evaluate each expression if $x = -2$, $y = 4$, and $z = -3$.

48] $y 2 - 3z $	49] $-12 - -x - y + 2z $	50] $ y^2 + x - z^3$
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Solve each proportion.

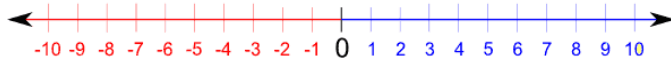
$$51] \frac{4}{9} = \frac{13}{n}$$

$$52] \frac{7}{x+9} = \frac{21}{36}$$

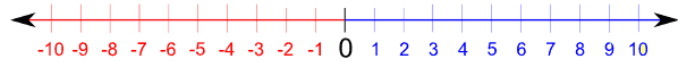
$$53] \frac{2n-4}{5} = \frac{3n+3}{10}$$

Solve and graph the solution on the number line.

$$54] 5x - 11 \geq -21$$



$$55] -\frac{1}{2}x + 3 < 0$$



Solve these JUICY equations.

$$56] 5x - 12 = -37$$

$$57] \frac{m}{7} + 15 = 2$$

$$58] 7 - 6a = 4$$

$$59] -\frac{2}{3}h - 6 = 26$$

$$60] 0.06a + 0.9 = 1.44$$

$$61] -12 = -7b - (-9)$$

$$62] -4x + 8 = 6x + 23$$

$$63] 2 + 5k = -9(k - 6)$$

$$64] -\frac{3}{7}y = 9y - 12$$

$$65] -\frac{1}{6}(36m - 12) = \frac{1}{4}(24m - 12)$$

$$66] 4(2x - 3) = 9x - 4 + 5x$$

$$67] 2(5y - 6) = -4(2y + 3)$$