Algebra 1

Name_____

BAHA Placement Test

Date: _____

Students must SHOW ALL WORK. A score of 80% or higher shows readiness for Algebra 1.

Email completed test to Mona Harris at monapharris@att.net by August 1, 2020.

1) Find the least common multiple of 16, 21, and 24

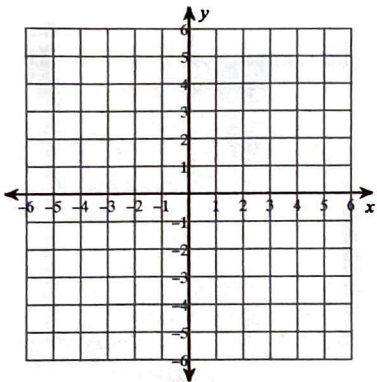2) Write $\dfrac{6}{15}$ as a fraction with denominator of 20.

3) Evaluate each using the values given.

$k + k + h + \dfrac{h}{5}$; use $h = 10$, and $k = -2$

4) Simplify: $\dfrac{6}{-3} - 2 - 1 - \dfrac{-12}{-2}$

Sketch the graph of each line.

5) $y = -\dfrac{1}{2}x + 4$

Solve each problem.

6) 103 is what percent of 128?

7) A number was multiplied by −4 and decreased by 6. If the final result is −34, what is the number?

Simplify. Your answer should contain only positive exponents.

8) $2x^2y^3 \cdot 4x^4y^4$

9) Simplify using the distributive property:
$3mn^2(m + 2mn + 3m^2)$

Solve the equation.

10) $6(n - 7) + 5n = -22 + 7n$