

Algebra I Homework #1

- 1) What are the natural numbers less than 7?
- 2) What are the whole numbers less than or equal to 5?
- 3) What are the integers that are less than 4 but greater than -3 ?
- 4) Is $-5 > -4$ a true statement?
- 5) Is $-3 < -1$ a true statement?
- 6) Write out in words how you would say $x > 4$
- 7) Write out in words how you would say $-2 > x$
- 8) Simplify: $-2(-8 + 5) - 4^2 \div 2$
- 9) Simplify: $|-5 + 1| - |-2 - 1| - 3|-1|$
- 10) Simplify: $-3^2 - 12 \div 6(-1 - 1) - 8^0$
- 11) Simplify: $-[-2(-1 - 3) - 2^3 + 18 \div 6(-2 - 1)]^2 - 5^0$
- 12) Simplify: $-(-1 - 2)^3 - (5 - 1) + 12 \div (2 - 2)$
- 13) Simplify: $-|-4 - 1|^0 + 3|-1 - 1| - 2|-3|$
- 14) Simplify: $15 \div 5(-1 - 2) - (81 \div 3 \div 3)^0 - (-2 - 1)^2$
- 15) Simplify: $6 \div 2(4 - 1) - |-5 + 3| - 3^2$
- 16) Simplify: $-4^0 - [-3^2 - 14 \div 7(-1 - 1) - 2] - (-3 + 1)^4$
- 17) Simplify: $-1^7 - (-3 - 2)^0 - 21 \div 7(-2 - 1) - |-9 + 4|$
- 18) Simplify: $16 \div 4(-1 - 3) - (-1)^0$
- 19) Simplify: $-|-1 - 2|^2 - 2|-1 - 1| - 3|-2 + 1|^0$
- 20) Simplify: $-72 \div 9(-1 - 1) \div 4(-1 - 1)^2 \div 2$

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