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: $-72 \div 9(-1-1) \div 4(-1-1)^2 \div 2$