Practice on the Hw 0 recommended-problem worksheet or the recommended textbook problems listed above.

1=1+1 has 5 symbols, \((-\infty,0]\) has 6 symbols, \((\frac{1}{2})x - 3 \] has 8 symbols, \(\sqrt{x^2 - 2x} \] has 6 symbols, \(\frac{13}{12} \] has 5 symbols, \(0 \leq x \) has 3 symbols.

Do not turn in scratch paper; put your work in the space provided.
You get extra credit if you are the first to find an error in the lecture note packet sold at the Bookstore.
Problems marked with a superscript \(E\) have notes in the note-packet section titled “Errors”.

1(1). Is the inequality true or false? \(\pi^2 < 12\)

2(1). Draw the interval on the number line: \((-4, 0]\)
chk=4

3(1). Rewrite without \(|\)’s: \(|x-3| + |x-4| \) for \(x > 4\)
Answer has 4 symbols, chk=9

4(1). Rewrite without \(|\)’s: \(|x+1| + |4x+3| \) for \(x < -3\)
6 symbols, chk=9

5(1). Write using \(|\)’s:
The distance between \(x\) and 1 is less than \(\frac{1}{2}\).
9 symbols, chk=4

6(1). Write as an interval: \(\{x : |x-4| < 4\}\)
5 symbols, chk=8

7(1). Write as a union of two intervals: \(\{x : |x+5| \geq 2\}\)
14 symbols, chk=10