The notes for this course say that we can use any property of the numbers that we know - we should not forget things that are "obvious" outside of these notes

Here are a couple of useful properties:

- If 0 < a < b, then $0 < \frac{1}{b} < \frac{1}{a}$
- If a < b, then $a < \frac{a+b}{2} < b$
- If a, b, c > 0 and a < b, then
 - -0 < ac < bc
 - -0 < a + c < b + c
- If d < 0, then bd < ad < 0