

This quiz is worth 10 points, and you have 10 minutes to complete it.

Calculators are NOT allowed today.

1. (10 pts) Each problem below has to be split into “cases” to solve. In other words, each equation or inequality can be broken down into a number of simpler equations or inequalities, connected with “and” or “or”. Write out these cases but do NOT continue solving after that.

a. (2 pts) $2x^2 - 7x + 3 = 0$

b. (4 pts) $2x^2 - 7x + 3 < 0$

c. (4 pts) $|4 - 2x| > 6$