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## Quiz 4

This quiz is graded out of 10 marks. No books, calculators, notes or cell phones are allowed. You must show all your work, the correct answer is worth 1 mark the remaining marks are given for the work. If you need more space for your answer use the back of the page.

**Question 1.** pg.54#3t (*4 marks*) Solve for *x*:

$$(x^2 - 75)(3x^2 + 4x - 6) = 0$$

**Question 2.** pg.60#3i (*4 marks*) Solve for *x*:

$$x - \frac{6}{2 - x} = \frac{3x}{x - 2}$$

**Question 3.** pg.66#27 (2 marks) Find the distance between (a, -c) and (-a, c):