

chapter

7

Algebra 3

Section 7.3 Modulus

PROJECT MATHS

Text & Tests 6

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5. On the same set of axes, sketch the graphs of the functions

$$f: x \rightarrow |x - 2| \text{ and } g: x \rightarrow |x - 6|.$$

Hence solve the equation $|x - 2| = |x - 6|$.

Verify your answer algebraically.

x	f(x)
6	0
8	2
4	2

$$g(8) = |8 - 6| = |2| = 2$$

$$g(4) = |4 - 6| = |-2| = 2$$

