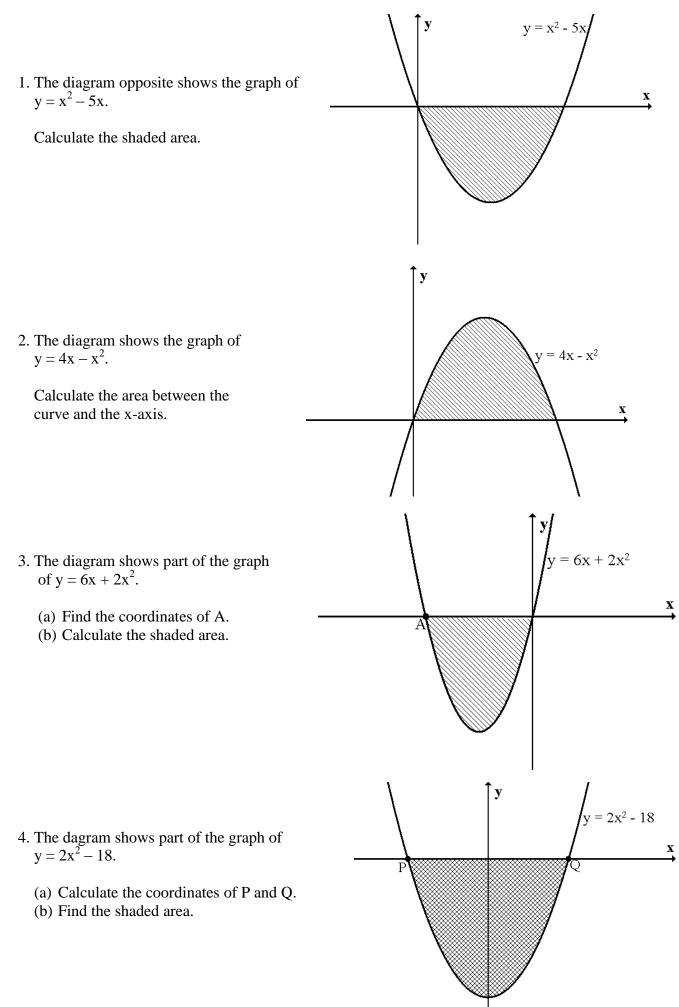
The Area under a Curve



у $y = 3 - 3x^2$ 5. The diagram shows part of the graph of $y = 3 - 3x^2$. Calculate the shaded area. X $y = x^2 - 2x - 12$ 6. The diagram shows the graph of $y = x^2 - 2x - 12$. х Calculate the shaded area. у $y = 10 - 4x - 3x^2$ 7. The diagram shows part of the graph of $y = 10 - 4x - 3x^2$ Calculate the shaded area. X -1 у $y = 8 - 2x - x^2$ 8. The diagram shows the graph of $y = 8 - 2x - x^2$. 3 (a) Find the coordinates of A and B. (b) Calculate the shaded area.

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