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| **Crack the Code** | **Simultaneous Equations** |

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| **A** | Solve | **B** | Solve |
| **C** | Solve | **D** | Solve |
| **E** | Solve | **F** | Solve |
| **G** | Solve | **H** | The solution to the pair of equations  is  Find the positive values of  and |
| **I** | Determine the number of points of intersection of the line  and the curve | **J** | The line  meets the curve  at exactly one point. Find the positive value of . |
| To get the three-digit code, add together all your answers. | | | |