| 4th January Higher P | 5-a-day |
| :---: | :---: |
| Solve the simultaneous equations $\begin{aligned} & x+y=3 \\ & x^{2}+y^{2}=5 \end{aligned}$ | Corbettm $\alpha$ ths |
| Ramy saves some of his pocket money each week. <br> He saves 10p in week 1 , 16 p in week 2,22 p in week 3 and so on for 40 weeks. | Find the amount he saves in week 40. |
| Calculate his total savings over the 40 weeks. |  |
| Rationalise the denominator of $\frac{\sqrt{5}}{\sqrt{3}+2}$ |  |
|  | Prove that the angle in a semi-circle is always $90^{\circ}$ |

