$\qquad$

## 14th November

| A circle has a radius of 9 <br> The centre of the circle is $(-8,1)$ <br> Write down the equation of the circle. <br> Factorise $2 x^{2}+11 x y+15 y^{2}$ | $(x+8)^{2}+(y-1)^{2}=81$ |
| :--- | :--- | :--- |

Work out the coordinates of point $R$.

