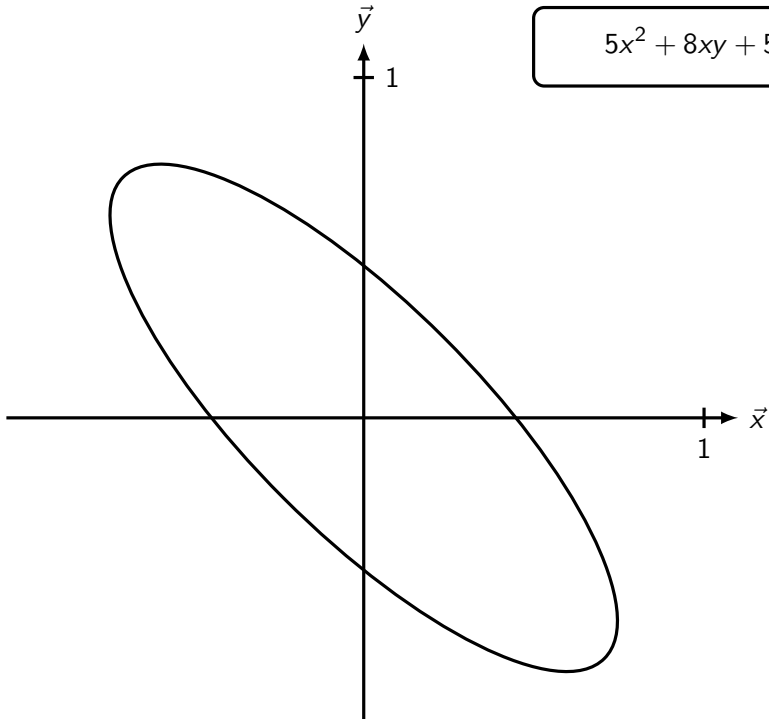


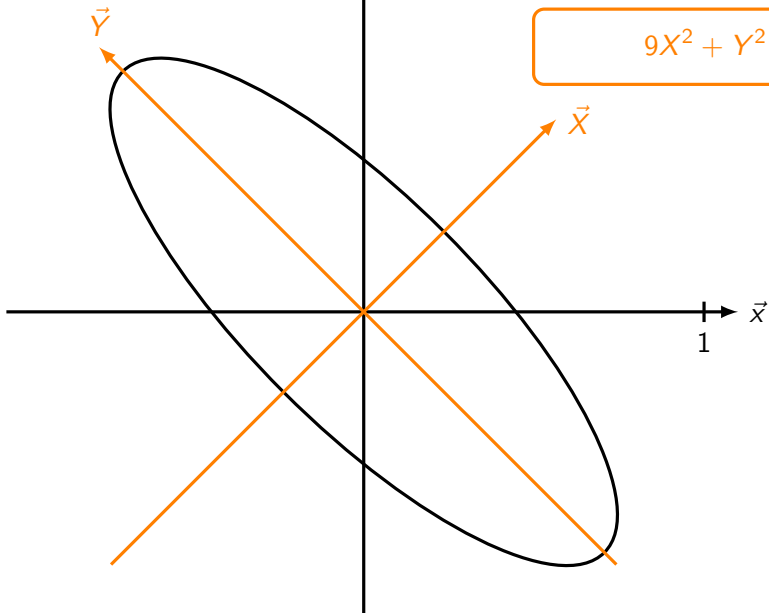
$$5x^2 + 8xy + 5y^2 = 1$$



\vec{y}
1

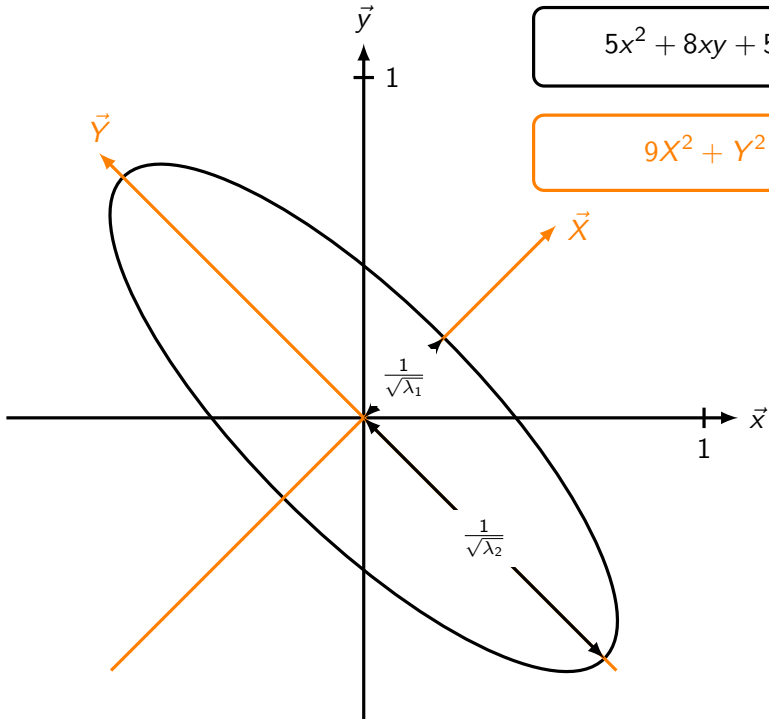
$$5x^2 + 8xy + 5y^2 = 1$$

$$9X^2 + Y^2 = 1$$



$$5x^2 + 8xy + 5y^2 = 1$$

$$9X^2 + Y^2 = 1$$



\vec{y}
1

$$5x^2 + 8xy + 5y^2 = 1$$

$$9X^2 + Y^2 = 1$$

\vec{Y}

\vec{X}

$\frac{1}{3}\left(\frac{1}{\sqrt{2}}, \frac{1}{\sqrt{2}}\right)$
 $\left(\frac{1}{3}, 0\right)$

\vec{x}
1

$\left(\frac{1}{\sqrt{2}}, -\frac{1}{\sqrt{2}}\right)$
 $(0, -1)$