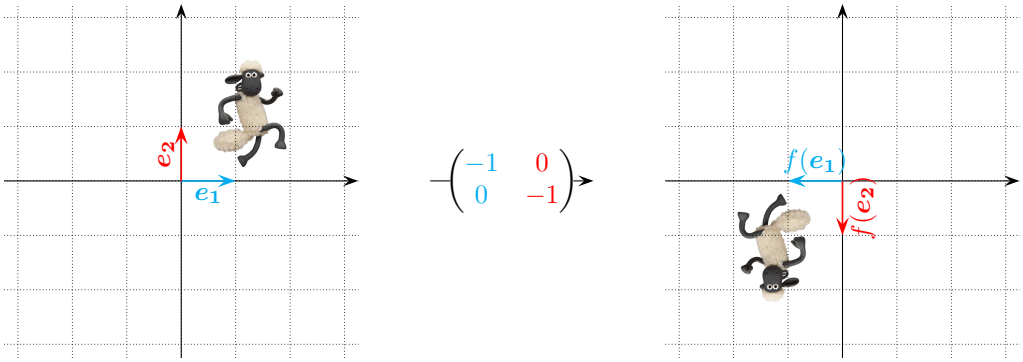
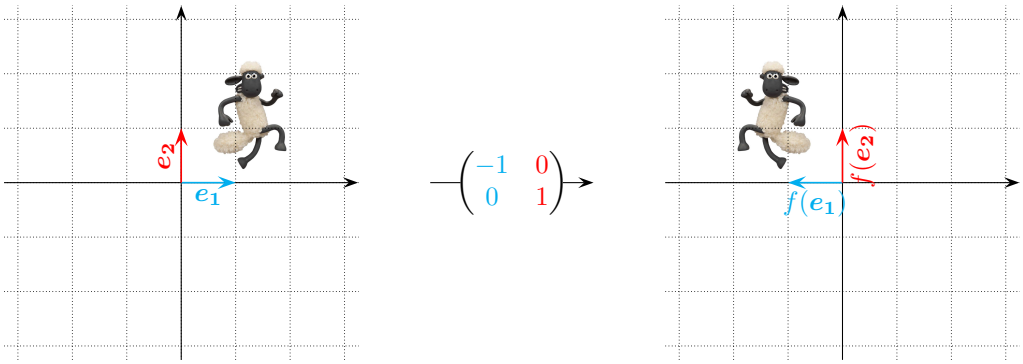
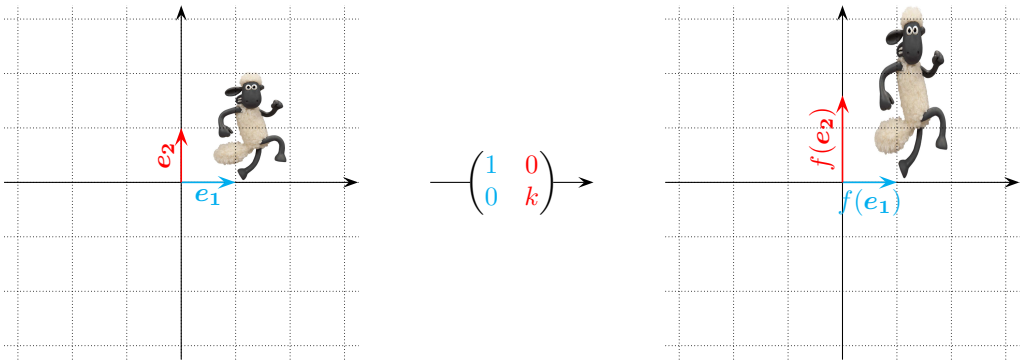
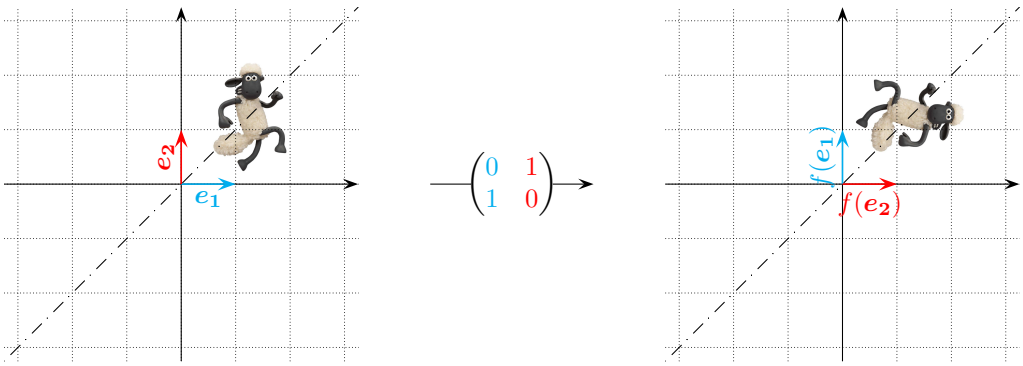
3.9 1) Symétrie centrale par rapport à l'origine



2) Symétrie orthogonale par rapport à l'axe vertical



3) Dilatation verticale de rapport k



4) Symétrie orthogonale par rapport à la droite $y = x$