

$$\begin{array}{ccccc}
 FX & \xrightarrow{Ff} & FR & \xleftarrow{Fg} & FY \\
 \uparrow c & & \uparrow e & & \uparrow d \\
 X & \xrightarrow{f} & E & \xleftarrow{g} & Y
 \end{array}$$

A commutative diagram with two rows of objects and three columns. The top row consists of objects  $FX$ ,  $FR$ , and  $FY$ . The bottom row consists of objects  $X$ ,  $E$ , and  $Y$ . The objects are connected by horizontal and vertical arrows. Horizontal arrows:  $FX \xrightarrow{Ff} FR$ ,  $FR \xleftarrow{Fg} FY$ ,  $X \xrightarrow{f} E$ , and  $E \xleftarrow{g} Y$ . Vertical arrows:  $X \xrightarrow{c} FX$ ,  $E \xrightarrow{e} FR$ , and  $Y \xrightarrow{d} FY$ . There are also two equals signs ( $=$ ) placed between the columns: one between  $FX$  and  $FR$ , and another between  $FR$  and  $FY$ .