Create the inverse function

$$y = \frac{2}{x-5} - 6$$

Create the inverse function

$$y = \frac{2}{x-5} - 6$$

$x = \frac{2}{y-5} - 6$

$+6 \quad +6$

$(y-5)x + 6 = \frac{2}{y-5}(y-5)$

$(y-5)(x+6) = \frac{2}{x+6}$

$\frac{(y-5)(x+6)}{x+6} = \frac{2}{x+6}$

$y - 5 = \frac{2}{x+6} + 5$

$+5$

$$\boxed{y = \frac{2}{x+6} + 5}$$

Create the inverse function

$$y = 7 - \frac{4}{x}$$

Create the inverse function

$$y = 7 - \frac{4}{x}$$

$x = 7 - \frac{4}{y}$

$-7 \quad -7$

$(y) \cdot x - 7 = -\frac{4}{y} \cdot y$

$y(x-7) = -4$

$\frac{y(x-7)}{x-7} = \frac{-4}{x-7}$

$y = \frac{-4}{x-7}$