

$$a, d = -1 \quad ra - rb = 1 \quad -r - rb = 1 \rightarrow b = -r$$

$$a - rb = 2$$

$$a, d = -1 \quad ra - rb = 1 \quad -r - rb = 1 \rightarrow b = -r$$

$$\cancel{a} - \cancel{r}b = \cancel{1}c \rightarrow c = 2 \quad d + c = -1 + 2 = \underline{1}$$

$$\begin{matrix} -1 & 4 \end{matrix}$$

$$f(x) = \frac{(rx + a)}{(x^2 + 4x + b)} \quad g(x) = \frac{r}{(x - c)}$$

$$\frac{(rx + a)}{(x^2 + 4x + b)} = \frac{r}{(x - c)} \quad (rx + a)(x - c) = r(x^2 + 4x + b)$$

$$(rx + a)(x - c) = rx^2 - rcx + ax - ac = rx^2 + x(a - rc) - ac$$

$$r(x^2 + 4x + b) = rx^2 + 17x + 17 \quad rx^2 + x(a - rc) - ac = rx^2 + 17x + 17$$