eqns can be rewritten as,

5 (a). $ay + x^2 y = x$ ①
$ay + x^2 y = b$ ⑪

$\Rightarrow x = b$

and substituting $x$ in ①, we get

$$y = \frac{b}{a + b^2}$$

(b). from eq ① & ②,

$$x = y(a + x^2)$$

$$y = \frac{b}{a + x^2}$$

(c) eq① can be rearranged as

$$x^2 = \frac{b}{y} - a$$

$$\Rightarrow \boxed{x = \sqrt{\frac{b}{y} - a}}$$

Similarly eq① can $\boxed{y = \frac{x}{x^2 + a}}$
be written as.