

1 Functions f and g are defined by

$$f : x \mapsto 10 - 3x, \quad x \in \mathbb{R},$$

$$g : x \mapsto \frac{10}{3 - 2x}, \quad x \in \mathbb{R}, x \neq \frac{3}{2}.$$

Solve the equation $ff(x) = gf(2)$.

[3]