

SB S. 32 Nr. 7

A $\frac{9x}{4} = 2x + \frac{1}{3}$

$\frac{27x}{12} = \frac{24x}{12} + \frac{4}{12}$ | $\cdot 12$

$27x = 24x + 4$ | $-24x$

$3x = 4$ | $:3$

$x = \frac{4}{3}$

B $\frac{9}{2x} = \frac{3}{2x+2}$ $x \neq 0; -1$

$\frac{9}{2x} = \frac{3}{2(x+1)}$

$\frac{9(x+1)}{2x(x+1)} = \frac{3x}{2x(x+1)}$ | $\cdot 2x(x+1)$

$9(x+1) = 3x$

$9x+9 = 3x$ | $-3x$

$6x+9 = 0$ | -9

$6x = -9$ | $:6$

$x = -1,5$

C $\frac{2x+1}{3x-4} = 0$ | $\cdot (3x-4)$ $x \neq \frac{4}{3}$

$2x+1 = 0$ | -1

$2x = -1$ | $:2$

$x = -\frac{1}{2}$