

## Solution

2		2	_ 1		·· _ 0
3	+	$\overline{x-2}$	= 1	:	x = 8

## Steps

$$\frac{2}{3} + \frac{2}{x-2} = 1$$

Multiply by LCM

Show Steps 🔀

$$2x + 2 = 3x - 6$$

Subtract 2 from both sides

$$2x + 2 - 2 = 3x - 6 - 2$$

Simplify

$$2x = 3x - 8$$

Subtract 3x from both sides

$$2x - 3x = 3x - 8 - 3x$$

Simplify

$$-x = -8$$

Divide both sides by  $\,-\,1\,$ 

$$\frac{-x}{-1} = \frac{-8}{-1}$$

Simplify

$$x = 8$$

Verify Solutions

Find undefined (singularity) points: x=2

Show Steps 🔂



Combine undefined points with solutions:

$$x = 8$$

## Graph

