

# M8 - 10.3 - " $\frac{a}{x} = b$ " HW

Solve for  $x$

$$\begin{aligned} \frac{4}{x} &= 2 \\ \frac{4}{x} &= 2 \times x \\ \cancel{x} \frac{4}{\cancel{x}} &= 2 \times x \\ 4 &= 2x \\ \frac{4}{2} &= \frac{2x}{2} \\ 2 &= x \\ \boxed{x = 2} \end{aligned}$$

$$\begin{aligned} \frac{4}{x} &= 2 \\ \frac{4}{4} &= 2 \\ \frac{2}{2} &= 2 \\ 2 &= 2 \quad \checkmark \end{aligned}$$

$$\frac{3}{x} = 9$$

$$15 = \frac{6}{x}$$

$$\frac{-4}{x} = 2$$

$$\frac{-1}{x} = 4$$

$$\frac{3}{x} = -5$$

$$14 = \frac{-7}{x}$$

$$-5 = \frac{25}{x}$$

$$-6 = \frac{24}{x}$$

$$\begin{aligned} 12 &= \frac{3}{x} \\ 4 &= \frac{8}{x} \\ 2 &= \frac{10}{x} \end{aligned}$$

$$\begin{aligned} \frac{14}{x} &= 7 \\ \frac{x}{5} &= 10 \\ \frac{x}{9} &= -6 \end{aligned}$$

$$\begin{aligned} -15 &= -\frac{45}{x} \\ 22 &= \frac{-2}{x} \end{aligned}$$

$$\begin{aligned} -\frac{8}{x} &= 24 \\ \frac{-6}{x} &= -27 \\ \frac{a}{x} &= b \end{aligned}$$

M8 - 10.3 - " $\frac{a}{bx} = c$ " HW

Answer should say  $x = \underline{\hspace{2cm}}$

Solve for  $x$

$$\frac{24}{2x} = 3$$

$$\frac{16}{4x} = 2$$

$$\frac{-27}{3x} = 9$$

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

$$5 = \frac{3}{4x}$$

$$\frac{10}{3x} = 5$$

$$\frac{4}{-3x} = 6$$

$$3 = \frac{12}{6x}$$

$$0 = \frac{1}{2x}$$

$$3 = \frac{60}{4x}$$

$$4 = \frac{40}{5x}$$

$$\frac{3}{5x} = 2$$

$$\frac{2}{3x} = 5$$

$$\frac{5}{2x} = 5$$

$$\frac{15}{3x} = 5$$

$$\frac{36}{3x} = 4$$

$$\frac{4}{-3x} = 8$$

$$\frac{90}{3x} = -5$$

$$\frac{4}{5x} = 3$$

$$\frac{2}{5x} = 7$$

$$\frac{5}{-2x} = -3$$