M8 - 10.6 - "$a(x + b) = c$" Distributing HW

Solve for x

$2(x - 2) = 4$

$-3(x + 2) = 3$

$-2(x - 1) = 6$

$-6(x - 5) = 30$

$3(x + 2) = 10$

$4(x - 1) = 15$

$5(x - 2) = 10$	$5(x + 2) = 25$	$9 = 3(x - 3)$	$5(x - 1) = -17$	$-2(x + 4) = -10$
$4(x - 2) = 4$	$-6(x + 2) = 18$	$18 = -3(4 - x)$	$-2(x + 2) = 19$	$-3(1 + x) = 9$
$2(x + 3) = 8$	$-4(x - 4) = -64$	$15 = -3(x + 6)$	$-7(1 - x) = 2$	$2(x - 3) = 7$

M8 - 10.6 - "$\frac{a}{b}(\frac{x}{c} + \frac{d}{e}) = \frac{f}{g}$" Distributing HW

Solve for x

$\frac{1}{2}(x - 2) = 4$

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

$\frac{2}{3}(x + 1) = 4$

$\frac{1}{5}(x + 2) = \frac{3}{5}$

$-3\left(\frac{1}{2} + x\right) = \frac{21}{2}$

$-2\left(\frac{1}{3} + x\right) = \frac{32}{3}$

$9 = 3(x - 3)$
$18 = \frac{1}{3}(4 + x)$

$\frac{1}{4}(x - 3) = 6$
$\frac{1}{2}(x - 2) = 6$

$\frac{1}{3}(x + 1) = \frac{5}{3}$
$\frac{1}{4}(x - 2) = \frac{5}{4}$

$-\frac{3}{2}\left(\frac{1}{2} + x\right) = \frac{39}{4}$
$-\frac{1}{4}\left(2x - \frac{1}{2}\right) = \frac{23}{8}$

M8 - 10.6 - "$\dfrac{a}{x+b} = c$" Distributing HW

Solve for x

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

$$\frac{20}{x-2} = 20$$

$$\frac{5}{2x+1} = 1$$

$$\frac{100}{1-2x} = 10$$

$$\frac{x+3}{x-2} = 6$$

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

$$\frac{6}{x+1} = 2$$
$$\frac{12}{x-2} = 6$$

$$\frac{6}{5x-2} = 3$$
$$\frac{6}{x-1} = 5$$

$$\frac{x+8}{x-1} = 4$$
$$\frac{5}{2} = \frac{x+3}{x-3}$$