

Equations with Parentheses (Homework)

① $3(2x+1)-2=7+5(6x+2)$

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

② $-2(5y+4)+3=7(y-9)-5$

$y = \frac{63}{17}$

③ $-4+3(2z+5)=-2(z-5)-4$

$z = -\frac{5}{8}$

④ $-3(4x-3)=2(3x-2)$

$x = \frac{13}{18}$

⑤ $-4(2y+8)=-6(6y-4)$

$y = 2$

⑥ $2(z+5)-9(2z-4)+6=5-3(4+2z)$

$z = \frac{59}{10}$

⑦ $3(8x-4)=2x+2$

$x = \frac{7}{11}$

⑧ $3-4(6y+5)=3(5y-8)$

$y = \frac{7}{39}$

⑨ $-3(3z+2)-4=-3(-2z-11)$

$z = -\frac{43}{15}$

⑩ $8-x+4(3x-4)=2x-2(9+8x)$

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

⑪ $3-(2y+1)=2(3-2y)$

$y = 2$

⑫ $4(-2z+4)-3z+10z=2-8+(-5z)$

$z = -\frac{11}{2}$

⑬ $-2(-2x+1)=-(x-5)$

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

⑭ $-3-4-y=5-3(4+y)$

$y = 0$

⑮ $-8z+6z=2(-3z-1)$

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

⑯ $6-(2x-1)=-5-2(1-x)$

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

⑰ $2(y+1)+3(2+y)=4(-y+2)$

$y = 0$

⑱ $-1+2(-3z-2)=4$

$z = -\frac{3}{2}$

⑲ $2x-9x=5-3(-1-2x)$

$x = -\frac{8}{13}$

⑳ $-3(2y-4)+2(1-3y)=7-(-y+6)-3(2y+1)$

$y = \frac{16}{7}$