Name
Date
Course

One-Step Equations

① $x-5=3$

$5+x-5=3+5$

$\boxed{x=8}$

② $6=y+4$

$-4+6=y+4-4$

$\boxed{2=y}$

③ $2z=-8$

$\frac{2z}{2}=\frac{-8}{2}$

$\boxed{z=-4}$

④ $5=\frac{x}{3}$

$(3)5=\frac{x}{3}(3)$

$\boxed{15=x}$

⑤ $y-2=-7$

$2+y-2=-7+2$

$\boxed{y=-5}$

⑥ $8=z+11$

$-11+8=z+11-11$

$\boxed{-3=z}$

⑦ $-7x=8$

$\frac{-7x}{-7}=\frac{8}{-7}$

$\boxed{x=-\frac{8}{7}}$

⑧ $\frac{y}{-2}=6$

$(-2)\frac{y}{-2}=6(-2)$

$\boxed{y=-12}$

⑨ $z-8=-6$

$8+z-8=-6+8$

$\boxed{z=2}$

⑩ $-4=x+3$

$-3-4=x+3-3$

$\boxed{-7=x}$

⑪ $-18=-9y$

$\frac{-18}{-9}=\frac{-9y}{-9}$

$\boxed{2=y}$

⑫ $\frac{z}{-4}=-9$

$(-4)\frac{z}{-4}=-9(-4)$

$\boxed{z=36}$

⑬ $x+1=-9$

$-1+x+1=-9-1$

$\boxed{x=-10}$

⑭ $-100=y-3$

$3-100=y-3+3$

$\boxed{-97=y}$

⑮ $\frac{x}{9}=-11$

$(9)\frac{x}{9}=-11(9)$

$\boxed{x=-99}$

⑯ $-9=6y$

$\frac{-9}{6}=\frac{6y}{6}$

$-\frac{9}{6}=y$

$\boxed{-\frac{3}{2}=y}$

(17) $z+7=10$

$-7+z+7=10-7$

$\boxed{z=3}$

(18) $-5=x-2$

$2-5=x-2+2$

$\boxed{-3=x}$

(19) $\frac{y}{-5}=-8$

$(-5)\frac{y}{-5}=-8(-5)$

$\boxed{y=40}$

(20) $4=5z$

$\frac{4}{5}=\frac{5z}{5}$

$\boxed{\frac{4}{5}=z}$

(21) $y+6=-5$

$-6+y+6=-5-6$

$\boxed{y=-11}$

(22) $4=x+11$

$-11+4=x+11-11$

$\boxed{-7=x}$

(23) $-8x=-4$

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

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

(24) $\frac{y}{4}=2$

$(4)\frac{y}{4}=2(4)$

$\boxed{y=8}$

(25) $12=x+9$

$-9+12=x+9-9$

$\boxed{3=x}$

(26) $-1=-4+z$

$4-1=-4+z+4$

$\boxed{3=z}$

(27) $-6x=12$

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

$\boxed{x=-2}$

(28) $-8=\frac{z}{10}$

$(10)(-8)=\frac{z}{10}(10)$

$\boxed{-80=z}$

(29) $-13=x+(-8)$

$8-13=x+(-8)+8$

$\boxed{-5=x}$

(30) $y+14=8$

$-14+y+14=8-14$

$\boxed{y=-6}$

(31) $2x=-3$

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

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

(32) $9=\frac{y}{-7}$

$(-7)9=\frac{y}{-7}(-7)$

$\boxed{-63=y}$