**Solving Equations with Brackets**

Solve these equations.

(a) $3\left(x+1\right)=18$

(b) $3\left(x-1\right)=18$

(c) $4\left(x-3\right)=8$

(d) $10=2(x+7)$

(e) $5\left(x-2\right)=8$

(f) $25=4(x+4)$

Solve these equations.

(a) $3\left(x+1\right)=2x$

(b) $4x=6(x-3)$

(c) $4\left(x+5\right)=x+2$

(d) $4\left(x-1\right)=2x+5$

(e) $2\left(x+5\right)=x-3$

(f) $3x-1=2(3x+4)$

Solve these equations.

(a) $3\left(x+1\right)=2(x+4)$

(b) $3\left(x-1\right)=2(x+4)$

(c) $4\left(x-1\right)=2(x+4)$

(d) $4\left(x-3\right)=2(x-1)$

(e) $5\left(x+1\right)=2(2x+5)$

(f) $2\left(x-1\right)=7(x+4)$

(g) $3\left(x-1\right)=4(x+2)$

(h) $3\left(2x-1\right)=8(x+2)$

Solve these equations.

(a) $3\left(x+1\right)+2\left(x+4\right)=1$

(b) $3\left(x-1\right)+2x=12$

(c) $5x+2\left(x+3\right)=41$

(d) $4\left(x+2\right)-2\left(x+1\right)=2$

(e) $5\left(x+3\right)-3\left(x-1\right)=30$

(f) $3=7\left(x-3\right)-2(x-1)$

**Solving Equations with Brackets**

Solve these equations.

(a) $3\left(x+1\right)=18$

(b) $3\left(x-1\right)=18$

(c) $4\left(x-3\right)=8$

(d) $10=2(x+7)$

(e) $5\left(x-2\right)=8$

(f) $25=4(x+4)$

Solve these equations.

(a) $3\left(x+1\right)=2x$

(b) $4x=6(x-3)$

(c) $4\left(x+5\right)=x+2$

(d) $4\left(x-1\right)=2x+5$

(e) $2\left(x+5\right)=x-3$

(f) $3x-1=2(3x+4)$

Solve these equations.

(a) $3\left(x+1\right)=2(x+4)$

(b) $3\left(x-1\right)=2(x+4)$

(c) $4\left(x-1\right)=2(x+4)$

(d) $4\left(x-3\right)=2(x-1)$

(e) $5\left(x+1\right)=2(2x+5)$

(f) $2\left(x-1\right)=7(x+4)$

(g) $3\left(x-1\right)=4(x+2)$

(h) $3\left(2x-1\right)=8(x+2)$

Solve these equations.

(a) $3\left(x+1\right)+2\left(x+4\right)=1$

(b) $3\left(x-1\right)+2x=12$

(c) $5x+2\left(x+3\right)=41$

(d) $4\left(x+2\right)-2\left(x+1\right)=2$

(e) $5\left(x+3\right)-3\left(x-1\right)=30$

(f) $3=7\left(x-3\right)-2(x-1)$