**More Solving Equations with Unknowns on Both Sides**

Solve these equations.

(a) $3x+1=2x+9$

(b) $4x+1=2x+9$

(c) $1+4x=x+10$

(d) $4x-3=x+15$

(e) $4x+7=2x-1$

(f) $6x+5=10+4x$

Solve these equations.

(a) $2x+1=7x+16$

(b) $3x-2=9x+10$

(c) $x-8=4x+7$

(d) $5x+14=8x-1$

(e) $9+4x=6x-2$

(f) $x-7=5x-5$

Solve these equations.

(a) $6+2x=11-3x$

(b) $7x-3=12-3x$

(c) $1-4x=5+4x$

(d) $11-x=7-2x$

(e) $6.5-5x=2.5x-4$

(f) $-3x-7=11-8x$

(a) The rectangle shown has opposite sides of length $(2x+5) cm$ and

$(4x-3) cm$. Find the value of$ x$ and hence its area.

(b) Given that the triangle shown is isosceles, find the value of $x $and hence its perimeter.

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