Completing The Square Answer Key

Increasingly Difficult Exercises

a) $(x+3)^2$

b) $(x-2)^2$

c) $(x+2)^2-4$

d) $(x-4)^2-16$

e) $2(x+3)^2-18$

f) $(x+3)^2-5$

g) $(x-5)^2-20$

h) $(x+\frac{5}{2})^2+\frac{3}{4}$

i) $2(x+\frac{5}{4})^2-\frac{33}{8}$

j) $(x+3)^2-9$

$x=0 \; or \; x=-6$

k) $(x+1)^2-6$

$x=\pm\sqrt{6}-1$

l) $2(x+2)^2-13$

$x=\pm\sqrt{\frac{13}{2}}-2$

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