Completing the Square *Fluency*

Write in the form $(x+p)^2+q$

1 $x^2+6x+10$

2 x^2+4x+1

3 $x^2+8x+20$

4 x^2+2x-5

5 $x^2+10x+30$

6 x^2+12x

Write in the form $(x+p)^2+q$

7 x^2-6x+4

8 x^2-4x+9

9 $x^2-10x-3$

10 x^2-2x+7

11 $x^2-12x+40$

12 x^2-14x

Write in the form $(x+p)^2+q$

13 x^2+3x+1

14 x^2+5x-2

15 $x^2-7x+10$

16 x^2-x+3

17 x^2+9x

18 x^2-3x-4

Write in the form $a(x+p)^2+q$

19 $2x^2+8x+5$

20 $3x^2+12x-1$

21 $2x^2-4x+7$

22 $5x^2-20x+3$

23 $4x^2+24x+30$

24 $3x^2-6x$

Write in the form $a(x+p)^2+q$

25 $2x^2+6x+1$

26 $3x^2-9x+2$

27 $-x^2+4x+5$

28 $10+6x-x^2$

29 $2x^2-2x-3$

30 $4x^2+4x+5$