Name _____ Hr _____ Date _____

Complete the square by putting the steps in order.

1. $x^2 + 6x - 10 = 0$

2. $x^2 + 12x + 8 = 0$

3. $x^2 - 10x - 5 = 0$

4. $x^2 - 18x + 35 = 0$

5. $x^2 - 4x + 13 = 0$

6. $x^2 + 2x - 7 = 0$

7. $x^2 + 14x = -53$

8. $x^2 + 10x = -39$

$x+5=\pm\sqrt{-14}$	$(x+7)^2=-4$
$x=5\pm\sqrt{30}$	$x-2=\pm\sqrt{-9}$
$x^2+6x=10$	$x^2-10x=5$
$x^2-4x=-13$	$x+6=\pm\sqrt{28}$
$x=-3\pm\sqrt{19}$	$x=9\pm\sqrt{46}$
$x=-7\pm 2i$	$(x+5)^2=-14$
$x^2+12x=-8$	$x+7=\pm 2i$
$x-9=\pm\sqrt{46}$	$x^2+6x+9=10+9$
$x^2+2x=7$	$x=-1\pm 2\sqrt{2}$
$x^2-18x+81=46$	$x+3=\pm\sqrt{19}$
$x^2-4x+4=-13+4$	$(x-9)^2=46$
$x^2+6x+9=19$	$x^2+2x+1=8$
$x=-6\pm 2\sqrt{7}$	$x^2-18x=-35$
$x^2+10x+25=-14$	$x=2\pm 3i$
$(x+6)^2=28$	$x^2-4x+4=-9$
$(x+3)^2=19$	$x^2+12x+36=-8+36$

$x+1=\pm 2\sqrt{2}$	$x^2+10x+25=-39+25$
$x^2-18x+81=-35+81$	$x^2+12x+36=28$
$x=-5\pm i\sqrt{14}$	$x+6=\pm 2\sqrt{7}$
$x^2-10x+25=5+25$	$(x+1)^2=8$
$(x-2)^2=-9$	$x^2+14x+49=-4$
$x^2+2x+1=7+1$	$x-2=\pm 3i$
$x+7=\pm\sqrt{-4}$	$x-5=\pm\sqrt{30}$
$(x-5)^2=30$	$x^2-10x+25=30$
$x+1=\pm\sqrt{8}$	$x+5=\pm i\sqrt{14}$
$x^2+14x+49=-53+49$	