**Completing the Square Wkst.** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per. \_\_\_

On a **separate sheet of paper**, show all **work** and write **final answers** only on the wkst.

**Complete the Square.**

1. x2 + 22x + \_\_\_\_\_
2. x2 - 30x + \_\_\_\_\_
3. x2 + 5x + \_\_\_\_\_
4. x2 - ½x + \_\_\_\_\_
5. x2 + 8x + \_\_\_\_\_
6. x2 - 20x + \_\_\_\_\_
7. x2 - 14x + \_\_\_\_\_

**Solve the following equations by completing the square.**

1. x2 + 2x + 1 = 36 x = \_\_\_\_\_ x = \_\_\_\_\_
2. x2 - 16x + 64 = 9 x = \_\_\_\_\_ x = \_\_\_\_\_
3. x2 - 14x + 49 = 81 x = \_\_\_\_\_ x = \_\_\_\_\_
4. x2 + 6x + 9 = 1 x = \_\_\_\_\_ x = \_\_\_\_\_
5. x2 - 8x - 5 = 0 x = \_\_\_\_\_ x = \_\_\_\_\_