

Complete the Square to Solve Equations

$$1. \quad y^2 + 12y - 64 = 0$$

$$2. \quad y^2 - 14y + 40 = 0$$

$$3. \quad y^2 - 14y + 40 = 0$$

$$4. \quad y^2 + 8y + 15 = 0$$

$$5. \quad y^2 - 2y - 15 = 0$$

$$6. \quad y^2 + 6y - 7 = 0$$

$$7. \quad y^2 - 16y + 48 = 0$$

$$8. \quad y^2 - 12y - 28 = 0$$

$$9. \quad y^2 - 14y + 13 = 0$$

$$10. \quad y^2 - 12y - 28 = 0$$

AnSwErS:

$$y^2 + 12y - 64 = 0$$

{4, -16}

$$y^2 - 14y + 40 = 0$$

{10, 4}

$$y^2 - 14y + 40 = 0$$

{10, 4}

$$y^2 + 8y + 15 = 0$$

{-3, -5}

$$y^2 - 2y - 15 = 0$$

{5, -3}

$$y^2 + 6y - 7 = 0$$

{1, -7}

$$y^2 - 16y + 48 = 0$$

{12, 4}

$$y^2 - 12y - 28 = 0$$

{14, -2}

$$y^2 - 14y + 13 = 0$$

{13, 1}

$$y^2 - 12y - 28 = 0$$

{14, 2}