

Mid-Chapter Review

Lesson

1) $m^2 - 10m + 25 = 16$

2) $6(x + 9)^2 - 4 = 32$

3) $\frac{1}{5}x^2 - \frac{5}{49} = 0$

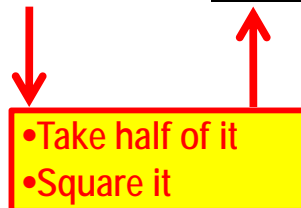
Review

Solve by factoring.

$$4) \quad 7y^3 - 28y = 0$$

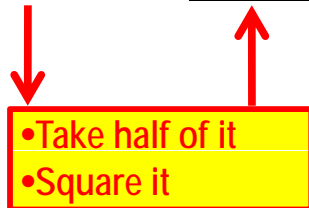
Completing the Square

$$x^2 + 14x + \underline{\hspace{2cm}}$$



Completing the Square

$$x^2 - 9x + \underline{\hspace{2cm}}$$



Solving by completing the square

$$5) \quad y^2 - 24y + 23 = 0$$

Quadratic Equation Review

$$5x^2 + 10x + 6 = 0$$

$$ax^2 + bx + c = 0$$

Quadratic Formula

This formula helps you solve for x

$$ax^2 + bx + c = 0$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Solving by completing the square

6) $x^2 - 24x + 23 = 0$

Solving by completing the square

7) $3x^2 + x - 4 = 0$

$$8) \quad 3x^2 = 6x - 1$$

$$9) \quad x^2 = x - 8$$