

MONDAY

Find the missing number that would make a perfect square trinomial.

$$x^2 + 6x + ?$$

$$x^2 - 22x + ?$$

$$x^2 + 5x + ?$$

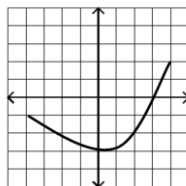
Solve by taking square roots.

$$16x^2 + 18 = 19$$

Solve by taking square roots.

$$3(x + 1)^2 = 75$$

What is the domain of the relation graphed below



Solve.

$$(13x + 8)^2 = 101$$

Find the x and y intercepts of the following equations.

A. $3 - 2x = 4y$

B. $3y - 2 = 9x$

Solve by completing the square.

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

C. $2y + 5x = 4$

D. $3x - 6y = 2$

TUESDAY

Solve by completing the square.

$$x^2 - 12x - 10 = 0$$

Solve by completing the square.

$$x^2 + 2x - 5 = 0$$

Solve by completing the square.

$$x^2 - 14x - 44 = 0$$

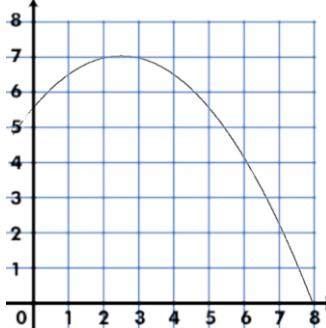
Solve by completing the square.

$$x^2 + 10x - 24 = 0$$

Solve.

$$x^2 + 10x = -25$$

A ball is tossed from a height of 5.5 feet into the air. It rises 1.5 feet before falling to the ground. State the range of the ball.



Solve.

$$2(x + 3)^2 + 13 = 31$$

WEDNESDAY

Solve.

$$5x^2 = 125$$

Factor each expression into the form $(x \pm __)^2 \pm c$ by completing the square

$$x^2 + 14x - 50$$

Rewrite the following equation in standard form. $y = (x - 3)^2 + 5$ Factor each expression into the form $(x \pm __)^2 \pm c$ by completing the square

$$x^2 - 9x + 4$$

Solve by completing the square.

$$x^2 - 16x - 36 = 0$$

Interpret the rate of change.



Solve by completing the square.

$$x^2 + 4x - 6 = 0$$

THURSDAYFind the zeros if y is a function of x . (in other words, ignore the y and solve).

$$2x^2 + 13x = y + 24$$

Which quadratic equation has roots of -5 and 2?

A. $y = x^2 + 3x - 10$

B. $y = x^2 - 3x - 10$

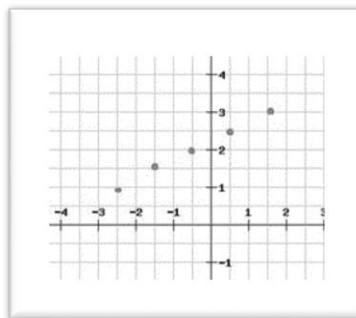
C. $y = x^2 + 7x + 10$

D. $y = x^2 - 7x + 10$

REVIEWA horse runs at a rate of 8 miles an hour for 6 hours. Let y be the distance in miles the horse travels in x hours. What would be the domain of this function?**Review:****Simplify.**

$$(3x^2 + 4x - 4) - (5x^2 + 7x - 8)$$

What is the domain of the graph below?



The length of a rectangle is 1 meter less than its width. The area of the rectangle is 42 square meters. Find the dimensions of the rectangle.