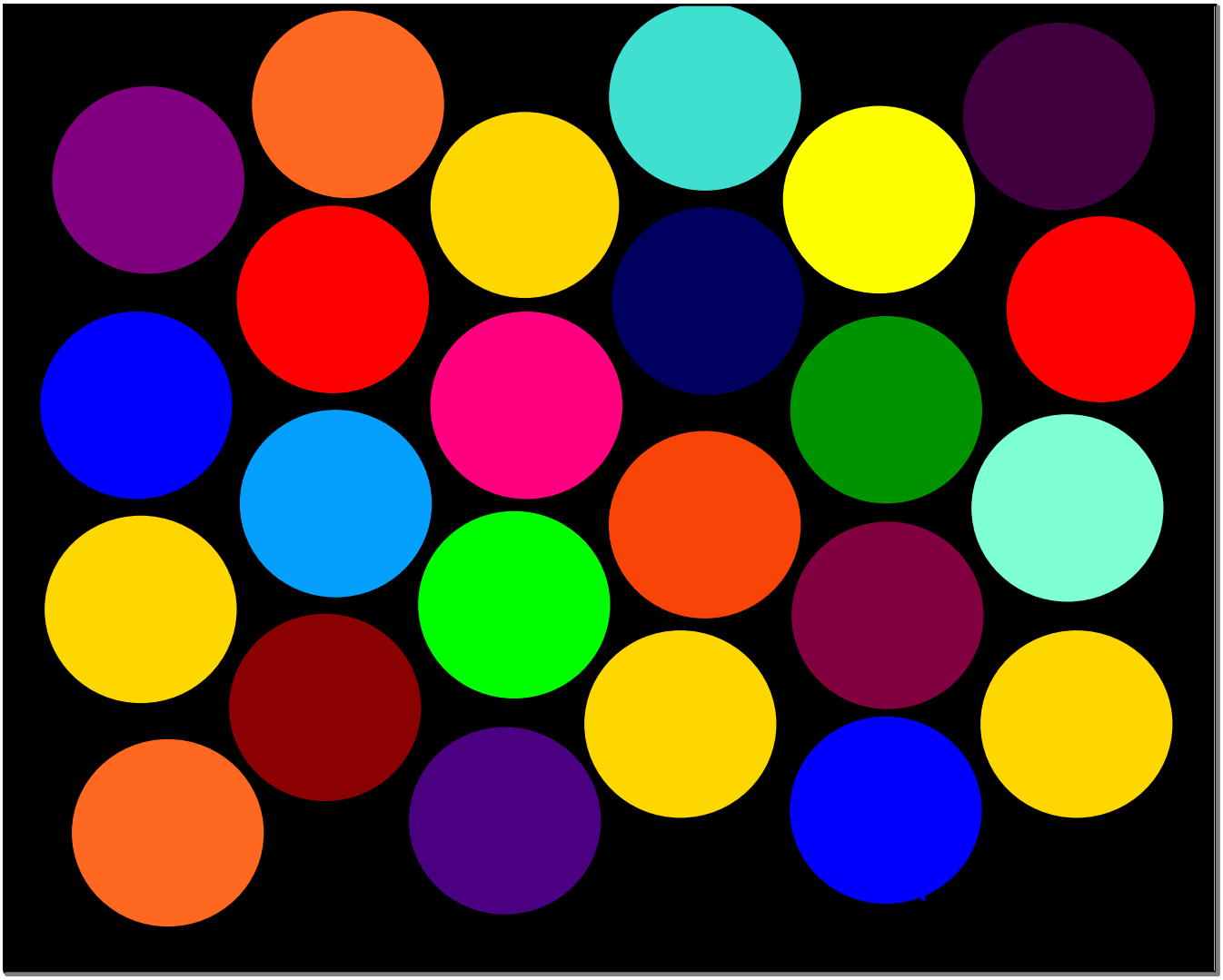
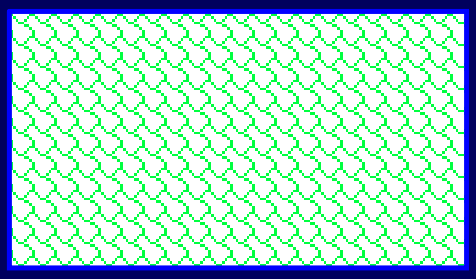


Feb 26-8:58 AM

Solve:

$$2k^2 - 14 = -3k$$



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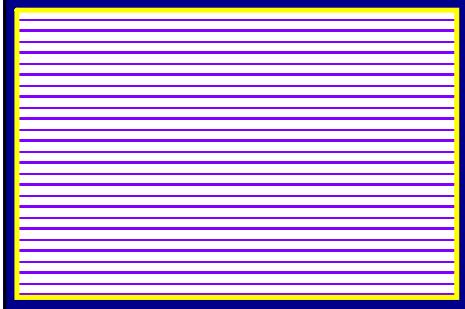
A square is altered so that one dimension is increased by 4, while the other dimension is decreased by 2. The area of the resulting rectangle is 55. Find the area of the original square.



Feb 26-8:58 AM

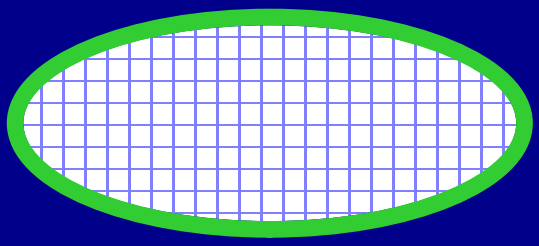
Solve the quadratic equation:

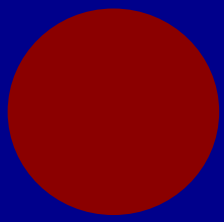
$$10n^2 + 2 = 292$$

Feb 26-8:58 AM

Solve the quadratic equation:

$$8n^2 + 4n - 16 = -n^2$$

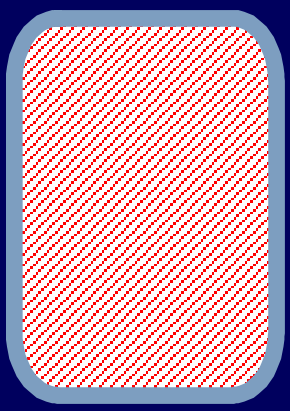


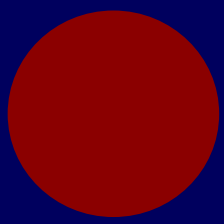


Feb 26-8:58 AM

Identify the equation for the axis of symmetry and the coordinates of the vertex. Identify the vertex as a maximum or a minimum. Identify the y-intercept.

$$y = 2x^2 - 16x + 33$$





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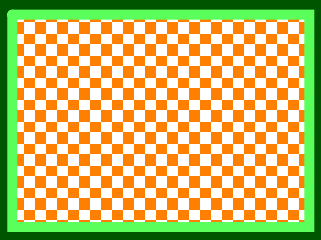
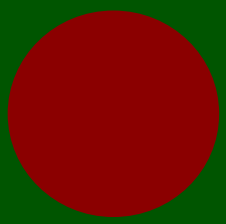
Solve the quadratic equation:

$$7r^2 - 14r = -7$$





Feb 26-8:58 AM

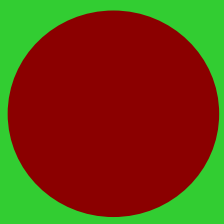
THE SENIOR CLASS AT BAY HIGH SCHOOL BUYS JERSEYS TO WEAR TO THE FOOTBALL GAMES. THE COST OF THE JERSEYS CAN BE MODELED BY THE EQUATION $C = 0.1X^2 + 2.4X + 25$, WHERE C IS THE AMOUNT IT COSTS TO BUY X JERSEYS. HOW MANY JERSEYS CAN THEY PURCHASE FOR $430?

THEY CAN AFFORD TO BUY ____ JERSEYS.

Feb 26-8:58 AM

State the value of the discriminant. Then determine the number of real roots of the equation.

$$8p^2 - 2p = -1$$



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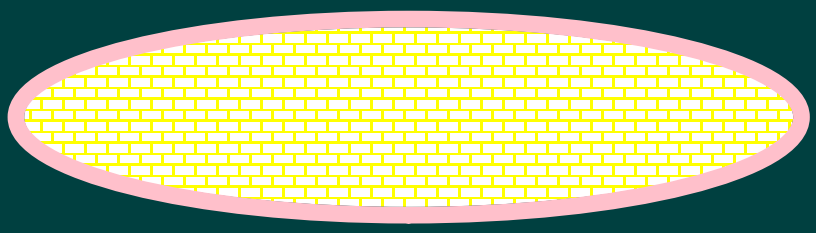
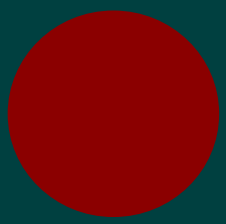
Solve the quadratic equation:

$$2m^2 - 7m - 13 = -10$$





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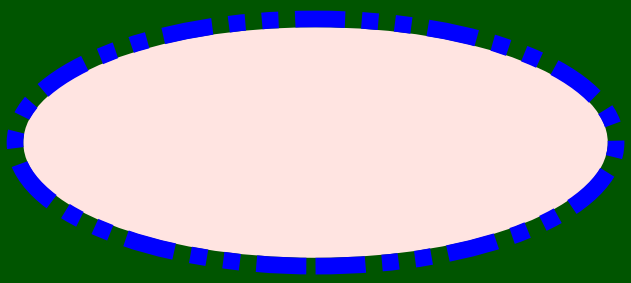
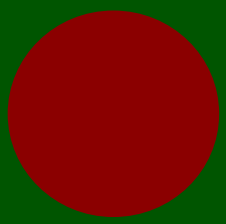
Solve the quadratic equation:

$2n^2 + 12n + 10 = 0$





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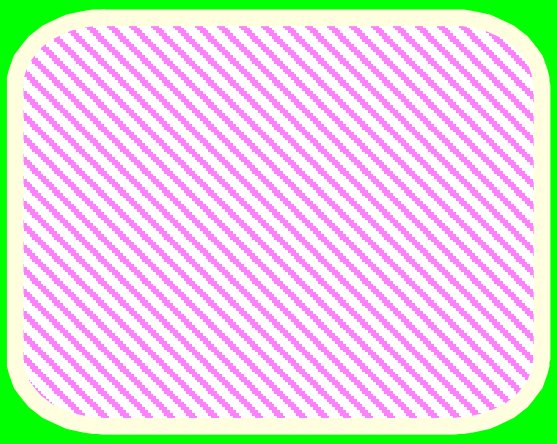
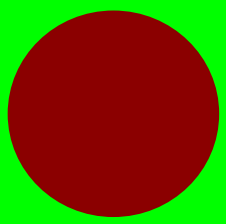
The product of two consecutive even integers is 1088. Find the integers.





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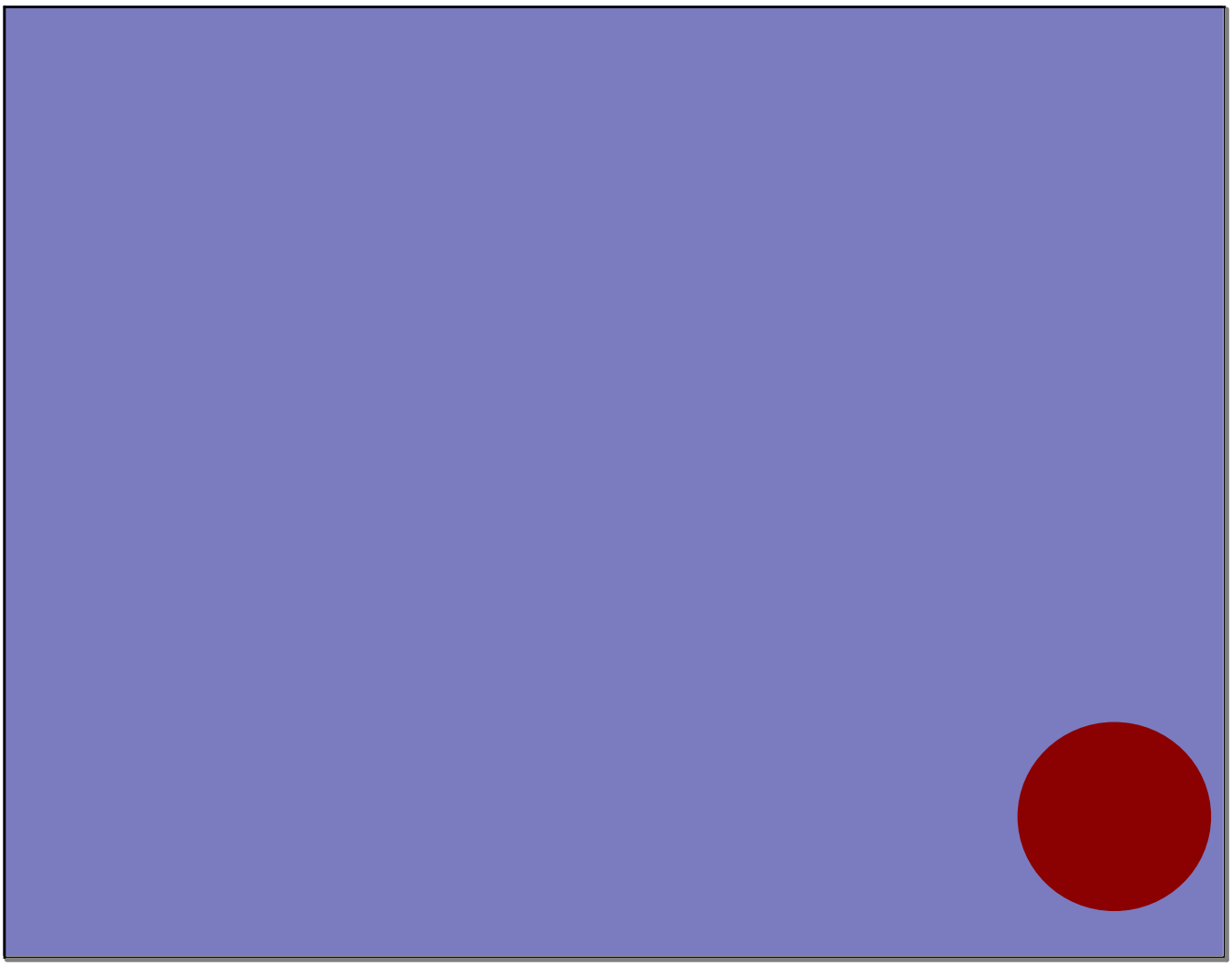

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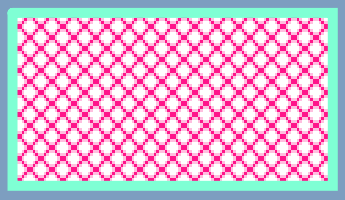
Solve the quadratic equation:

$$5r^2 - 44r + 120 = -30 + 11r$$



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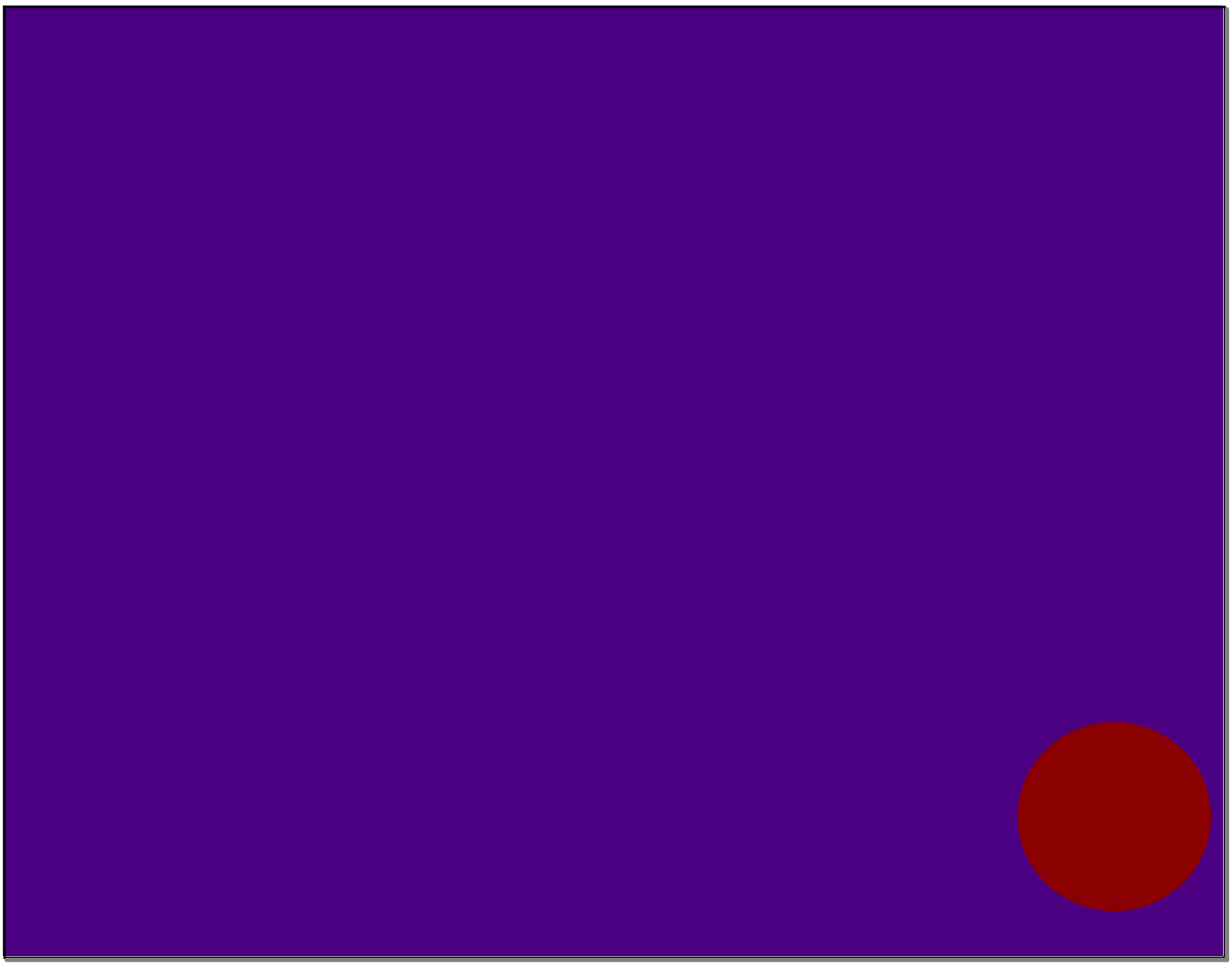
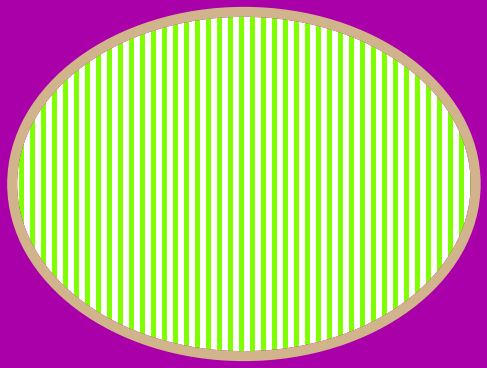
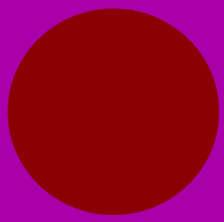


Feb 26-8:58 AM

State the value of the discriminant. Then determine the number of real roots of the equation.

$$16x^2 + 1 = 8x$$





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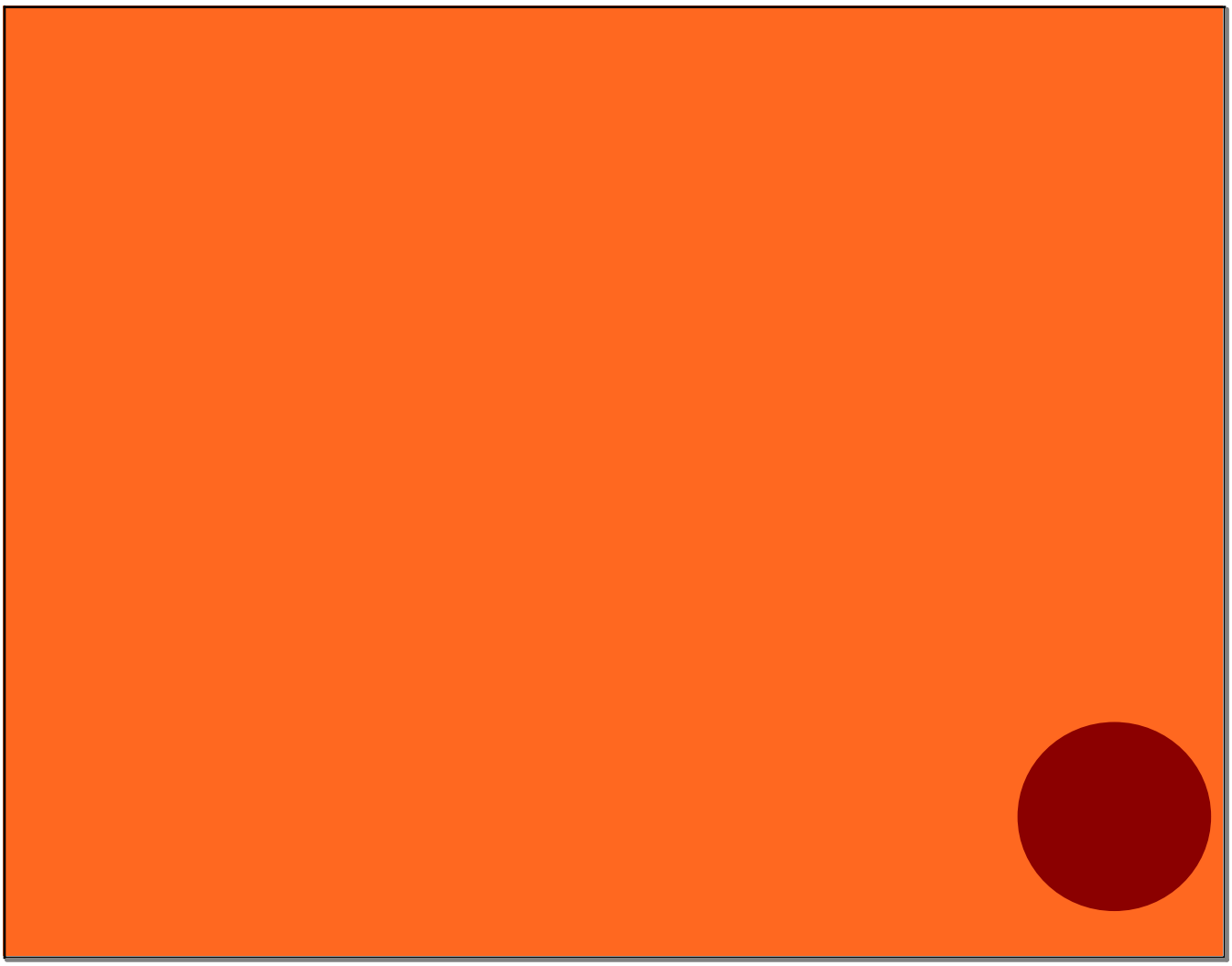

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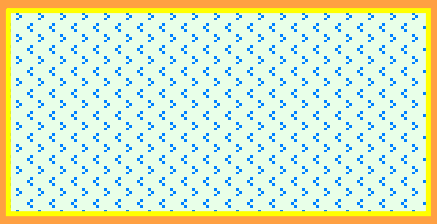
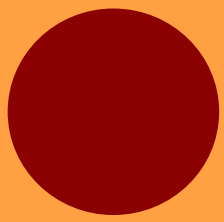
Solve the quadratic equation:

$$10b^2 = 27b - 18$$





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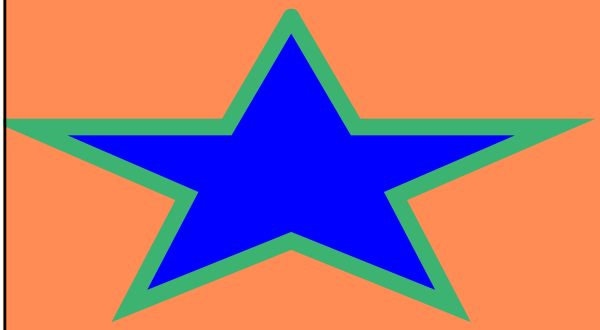
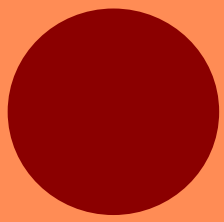
Solve the quadratic equation:

$$2x^2 + 3x - 20 = 0$$





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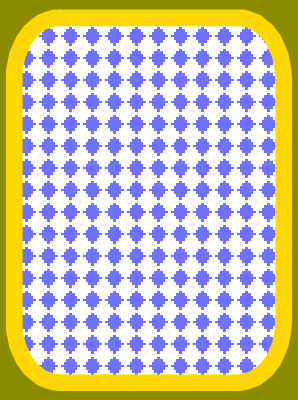
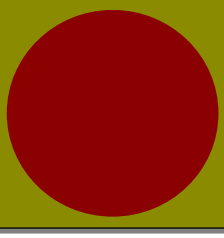
Identify the equation for the axis of symmetry and the coordinates of the vertex. Identify the vertex as a maximum or a minimum. Identify the y-intercept.

$$y = -x^2 - 8x - 13$$





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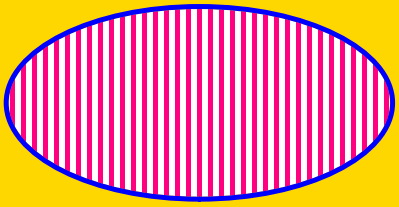
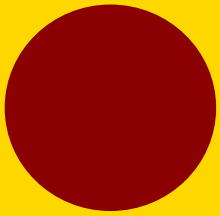
Solve

$$g^2 + 6g + 9 = 2$$





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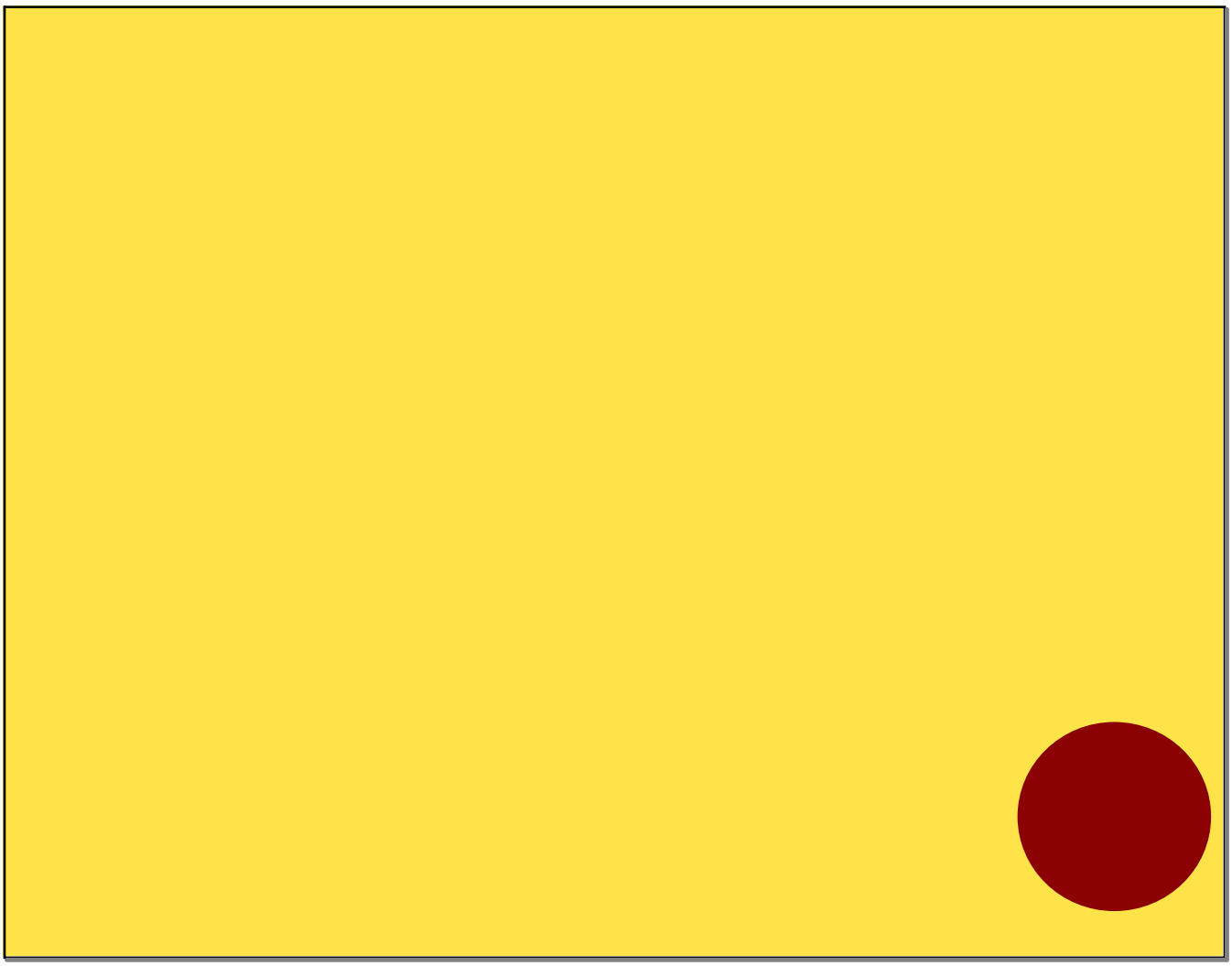

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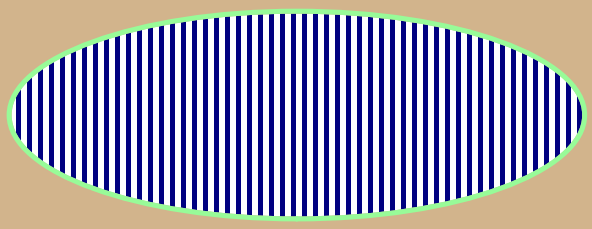
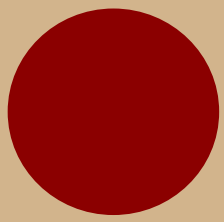
Solve the quadratic equation:

$$16n^2 = 49$$





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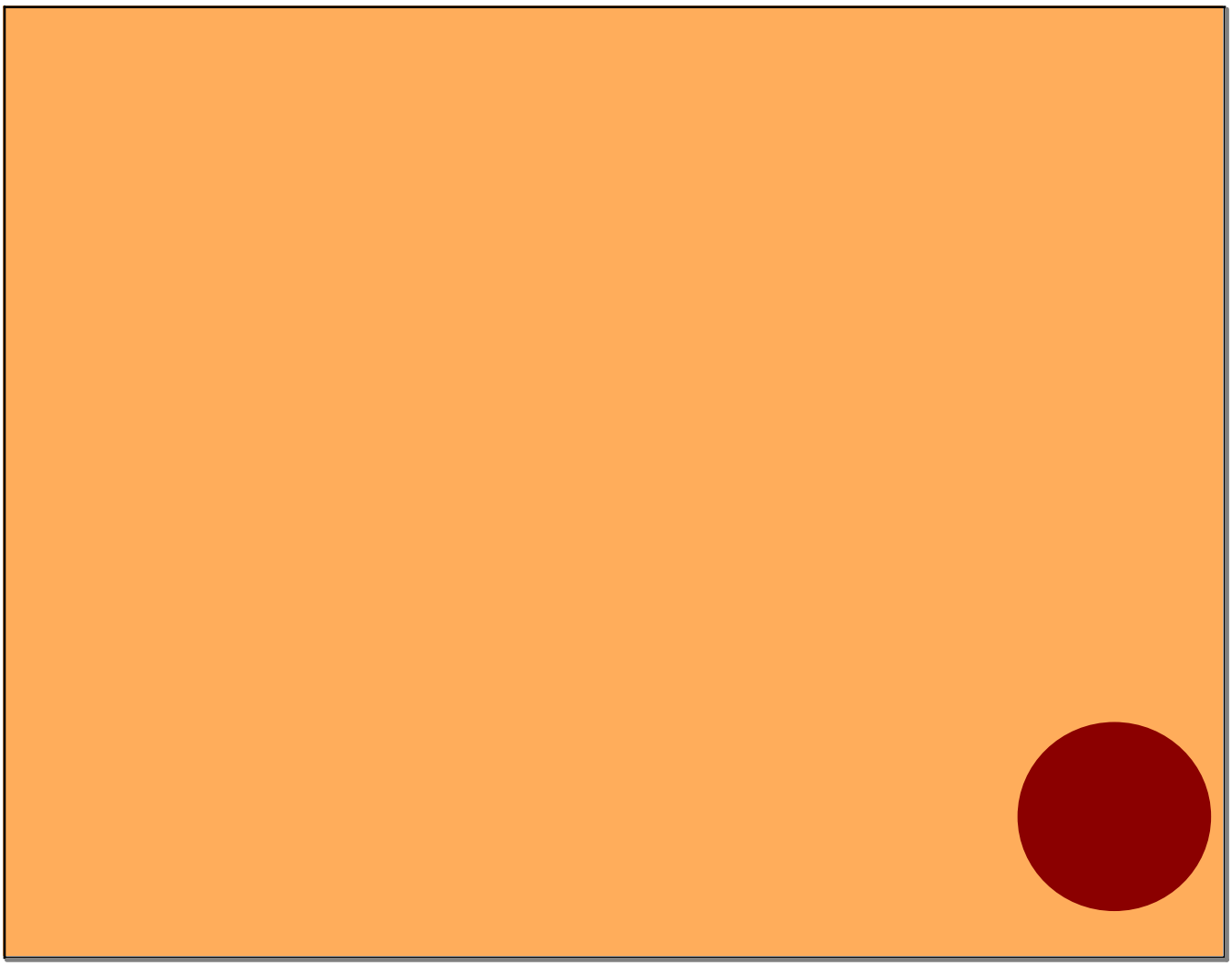

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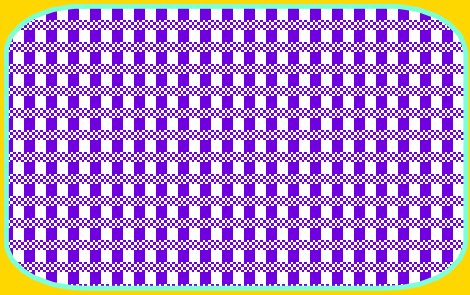
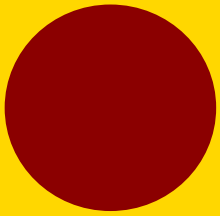
State the value of the discriminant. Then determine the number of real roots of the equation.

$$15 - 3y^2 = 0$$





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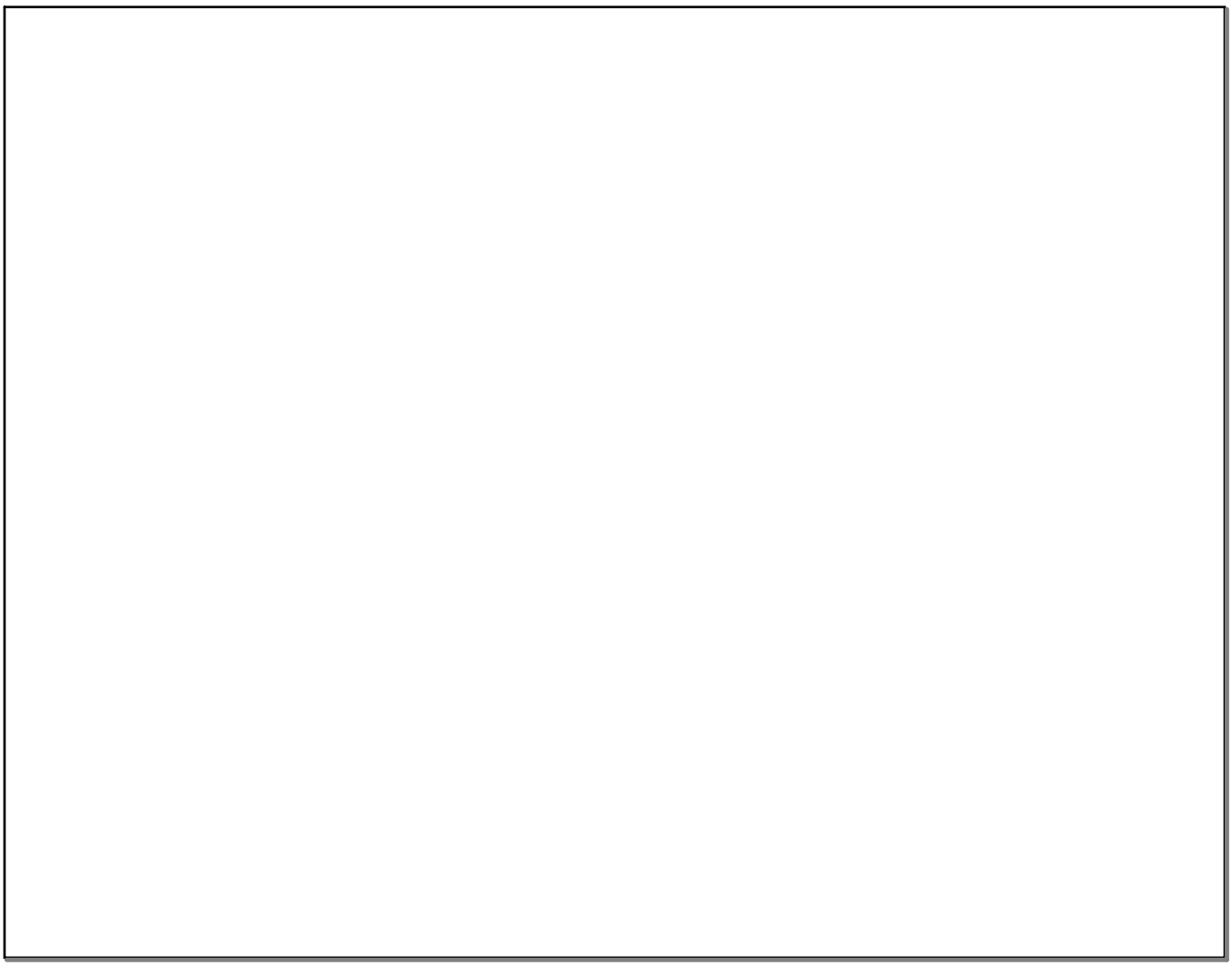

Mar 30-11:00 PM