Select all angle measures that are possible values for $\angle A$.

□ 25°

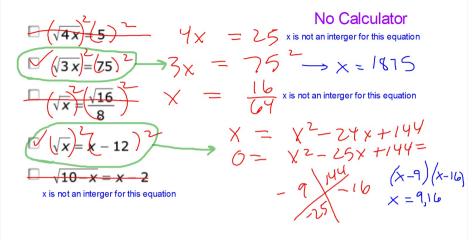
No Calculator

- □ 35°
- 45°
- ☐ 55°
- 65°
- 75°

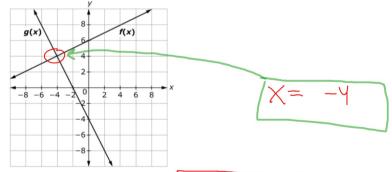
Enter the value of x such that $3^{\frac{4}{5}} \cdot 3^{\frac{3}{x}} = \sqrt[5]{3^7}$ is true.

No Calculator

6. Select **all** equations that have at least one integer solution.



9. This graph shows linear equations y = f(x) and y = g(x).



Enter the solution to the equation f(x) - g(x) = 0.

This occurs where the graphs are "equal"

10. Consider this right triangle.



SOHCAHTOR

Enter the measure of *ZCAB* to the nearest hundredth degree,

$$SINA = \frac{12}{15}$$

$$A = \frac{51}{15} \frac{12}{15}$$

$$\frac{53.13}{15}$$

Part A

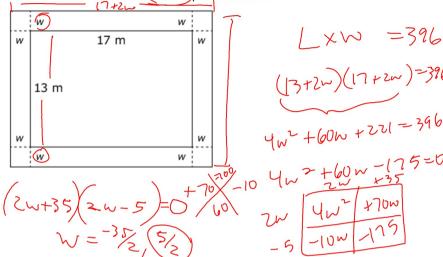
Enter an equation that could be used to help determine the width, w, of the walkway in the first response box.

Part B

$$4w^2 + 60w - 175 = 0$$

$$w = 2.5$$

11. A rectangular garden measures 13 meters by 17 meters and has a cement walkway around its perimeter, as shown. The width of the walkway remains constant on all four sides. The garden and walkway have a combined area of 396 square meters.



13. The height of a plant in centimeters is modeled as a function of time in days. Consider this graph of the function.

Enter the average rate of change for the height of the plant, measured in centimeters per day, between day 0 and day 20

