5. Suppose $\angle A$ is an angle such that $\cos A < \sin A$.
Select **all** angle measures that are possible values for $\angle A$.

- ☐ 25°
- ☐ 35°
- ☐ 45°
- ☐ 55°
- ☐ 65°
- ☐ 75°

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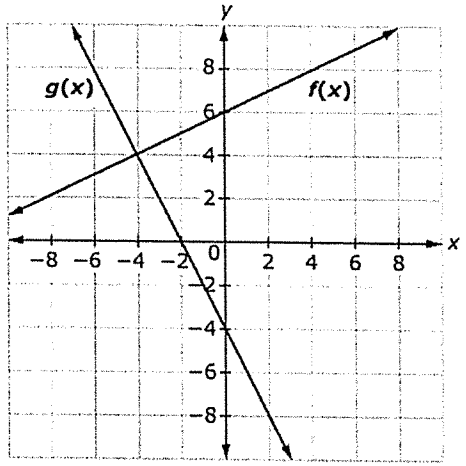
6. Select **all** equations that have at least one integer solution.

- ☐ $\sqrt{4x} = 5$
- ☐ $\sqrt{3x} = 75$
- ☐ $\sqrt{x} = \frac{\sqrt{16}}{8}$
- ☐ $\sqrt{x} = x - 12$
- ☐ $\sqrt{10-x} = x - 2$

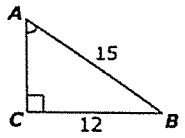
7. Enter the value of x such that $3^{\frac{4}{5}} \cdot 3^{\frac{3}{x}} = \sqrt[5]{3^7}$ is true.

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



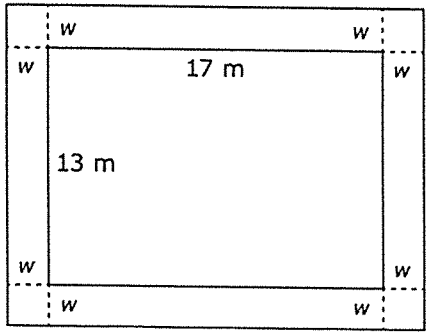
Enter the solution to the equation $f(x) - g(x) = 0$.

10. Consider this right triangle.



Enter the measure of $\angle CAB$ to the nearest hundredth degree.

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.



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

Determine the width, in meters, of the walkway. Enter your answer in the second response box.

13. The height of a plant in centimeters is modeled as a function of time i 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