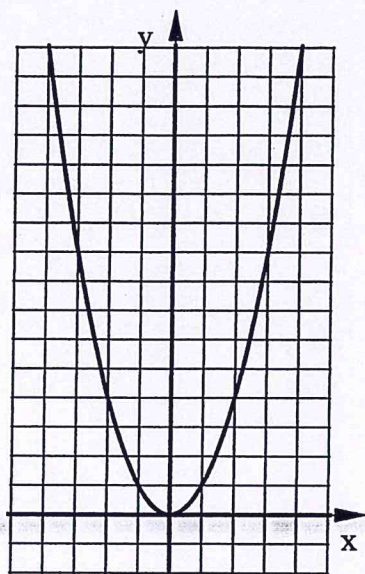


The graph shows $y = x^2$



1. Find ALL possible values of x or y so that the point is on the graph.

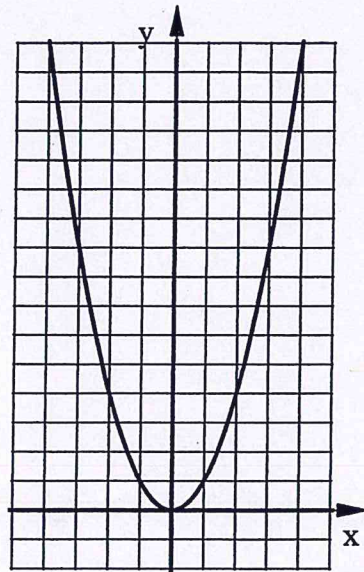
- a) (2, _____) b) (3, _____) c) (-3, _____)
 d) (5, _____) e) (_____, 4) f) (_____, -16)
 g) (_____, 7) h) (_____, 5)

2. Write a precise set of instructions that show how to find an approximate value of $\sqrt{13}$ using the graph.

3. Without using a calculator determine between which two consecutive integers each square root would be located.

- a) $\sqrt{43}$ is between _____ and _____
 b) $\sqrt{19}$ is between _____ and _____
 c) $\sqrt{118}$ is between _____ and _____
 d) $\sqrt{78}$ is between _____ and _____

The graph shows $y = x^2$



1. Find ALL possible values of x or y so that the point is on the graph.

- a) (2, 4) b) (3, 9) c) (-3, 9)
 d) (5, 25) e) (± 2 , 4) f) (_____, -16) NO POSSIBLE VALUES
 g) ($\pm \sqrt{7}$, 7) h) ($\pm \sqrt{5}$, 5)

2. Write a precise set of instructions that show how to find an approximate value of $\sqrt{13}$ using the graph.

Draw the horizontal line $y=13$. where this line intersects the graph of $y=x^2$ draw a vertical line so that it intersects the x -axis. These points on the x -axis represent $\pm \sqrt{13}$.

3. Without using a calculator determine between which two consecutive integers each square root would be located.

- a) $\sqrt{43}$ is between 6 and 7
 b) $\sqrt{19}$ is between 4 and 5
 c) $\sqrt{118}$ is between 10 and 11
 d) $\sqrt{78}$ is between 8 and 9