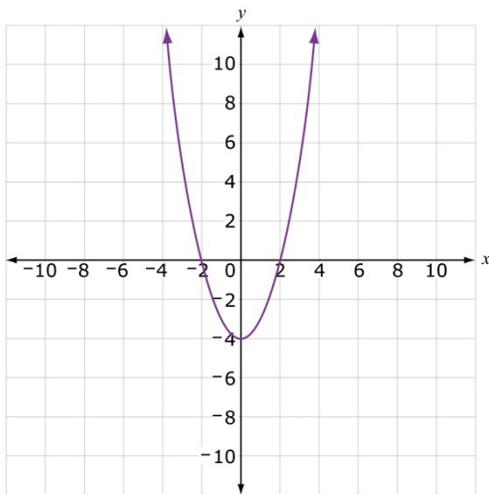


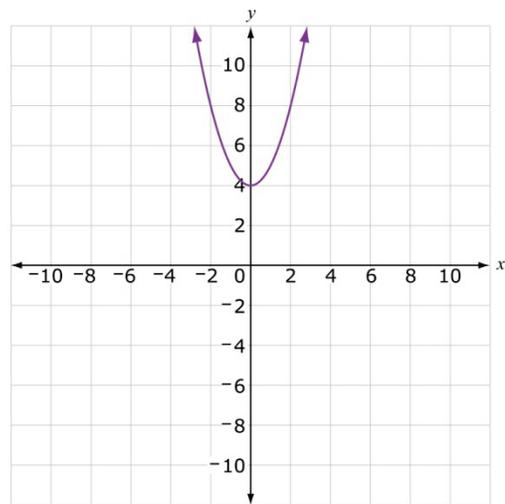
MAT.HS.SR.1.0AREI.J.678

| | |
|--|---|
| Sample Item ID: | MAT.HS.SR.1.0AREI.J.678 |
| Grade: | HS |
| Claim(s): | Claim 1: Concepts and Procedures Students can explain and apply mathematical concepts and carry out mathematical procedures with precision and fluency. |
| Assessment Target(s): | 1 J: Represent and solve equations and inequalities graphically. |
| Content Domain: | Algebra |
| Standard(s): | A-REI.10 |
| Mathematical Practice(s): | 1, 2, 4 |
| DOK: | 2 |
| Item Type: | SR |
| Score Points: | 1 |
| Difficulty: | M |
| Key: | B |
| Stimulus/Source: | |
| Target-specific attributes (e.g., accessibility issues): | |
| Notes: | |

Which graph could represent the solution set of $y = \sqrt{x - 4}$?

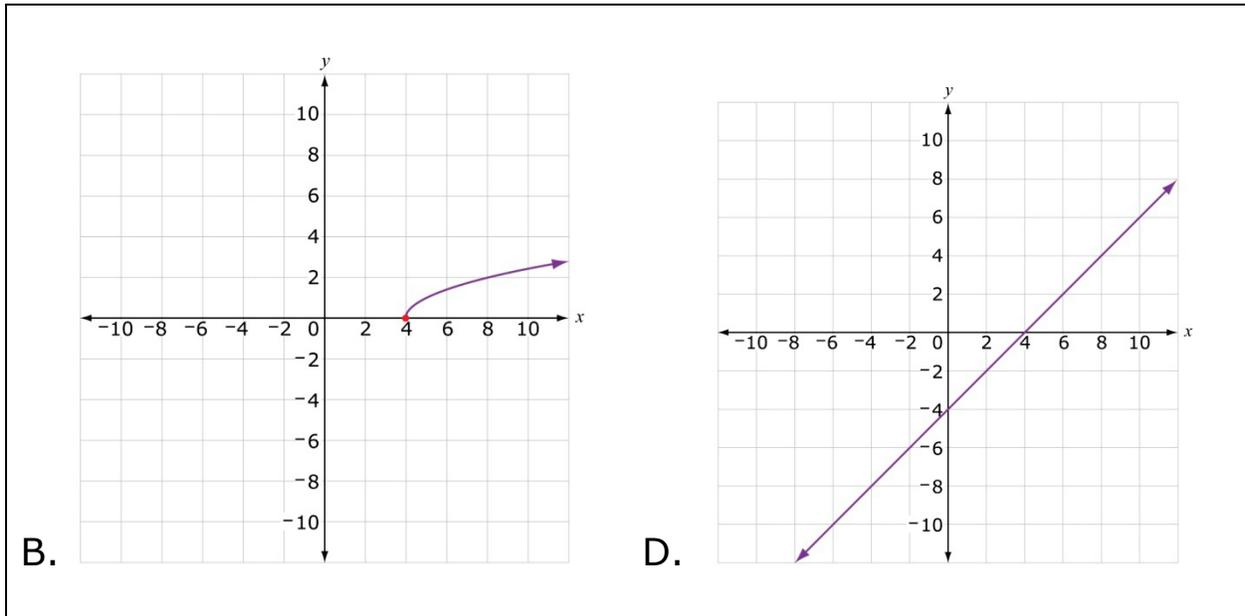


A.



C.

HS Mathematics Sample SR Item C1 TJ



Key and Distractor Analysis:

- A. Confuses $y = x^2 - 4$ with $y = \sqrt{x - 4}$.
- B. Key
- C. Relates the point $(0, 4)$ on this graph to the 4 under the radicand of the given function.
- D. Confuses radical function with linear function.