

Intermediate Algebra Skill

Sketching Graphs Involving Combined Transformations

Sketch the graph:

1) $y = (x+3)^2 - 2$

2) $f(x) = (x-1)^2 + 1$

3) $g(x) = -2(x+1)^2 + 1$

4) $h(x) = \frac{1}{2}(x+2)^2 - 3$

5) $j(x) = 3|x-2|$

6) $g(x) = \frac{1}{2}|x| + 1$

7) $f(x) = -|x+1| - 2$

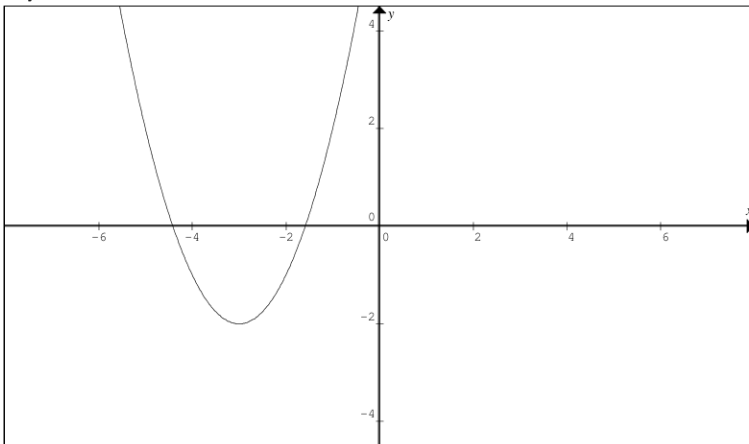
8) $T(x) = \sqrt{x+2} - 2$

9) $Q(x) = 1 - \frac{1}{x-1}$

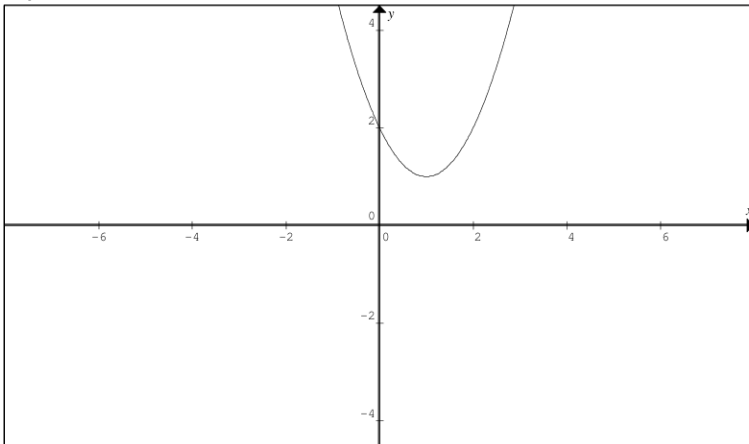
10) $H(x) = -\frac{1}{x+2} - 2$

Answers to Sketching Graphs Involving Combined Transformation

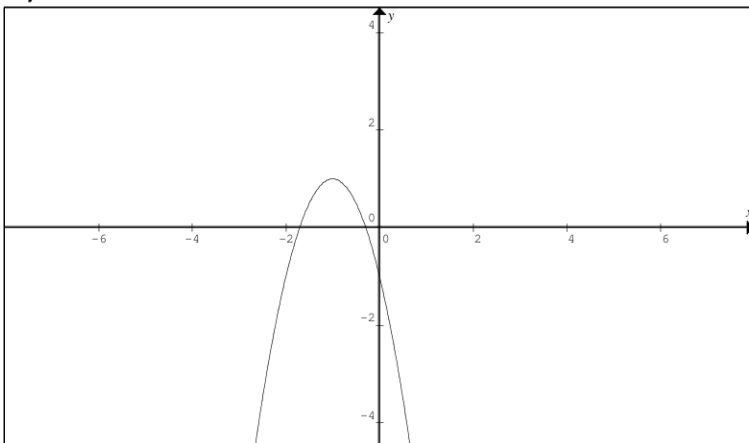
1)



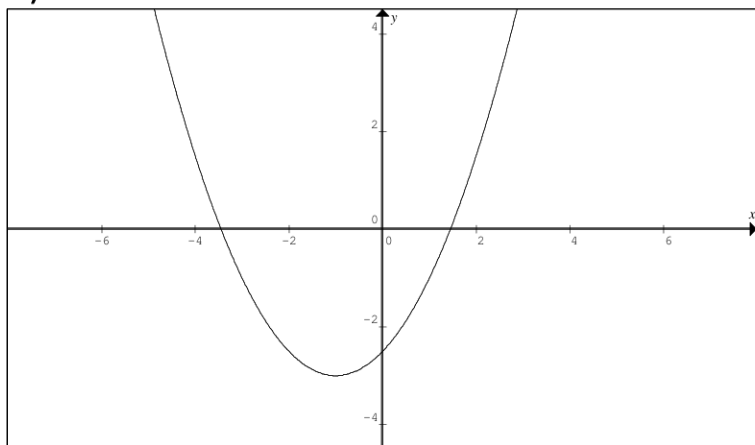
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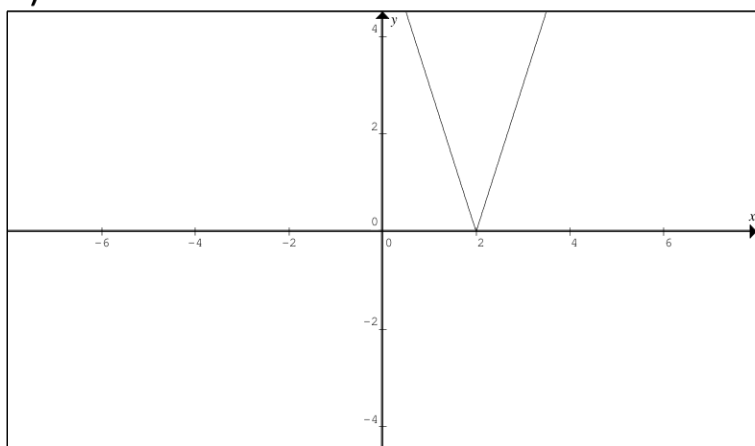
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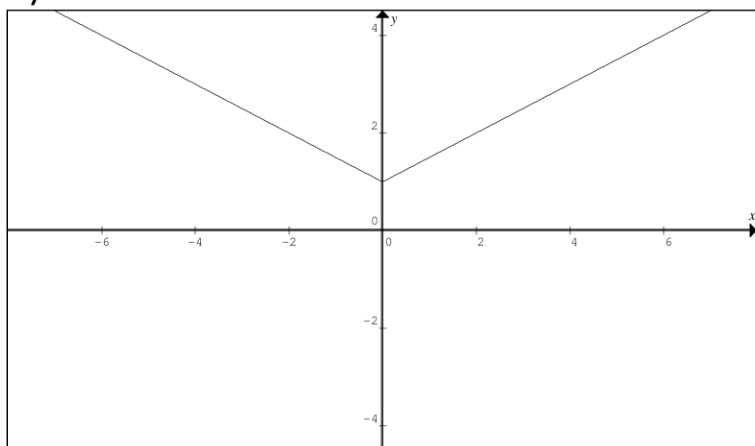
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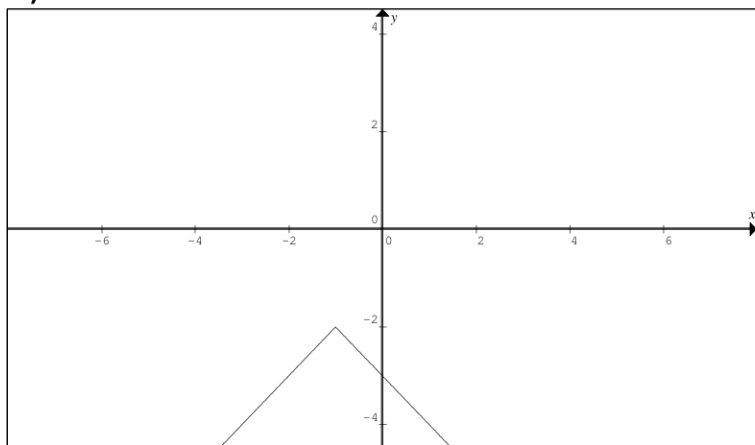
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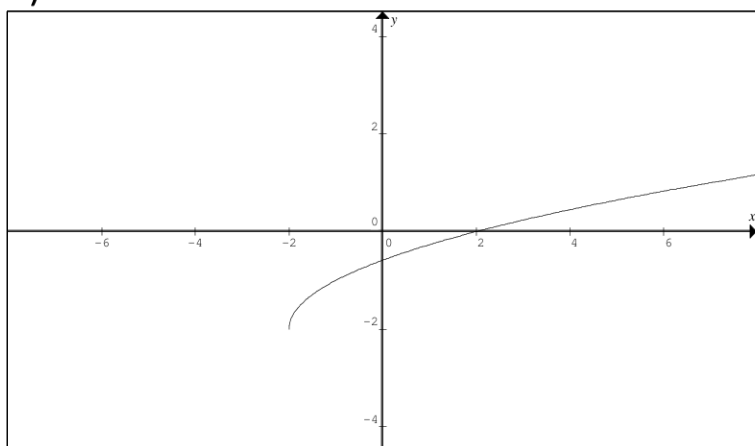
6)



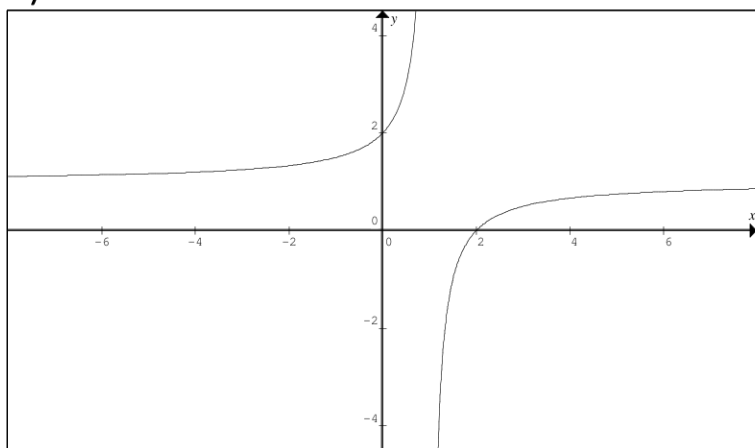
7)



8)



9)



10)

