

Intermediate Algebra Skill

Sketching Graphs Involving Horizontal Translation

Sketch the graph:

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

$$2) f(x) = (x + 3)^2$$

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

$$4) h(x) = (x + 2)^3$$

$$5) j(x) = |x - 4|$$

$$6) g(x) = |x + 1|$$

$$7) f(x) = \sqrt{x - 1}$$

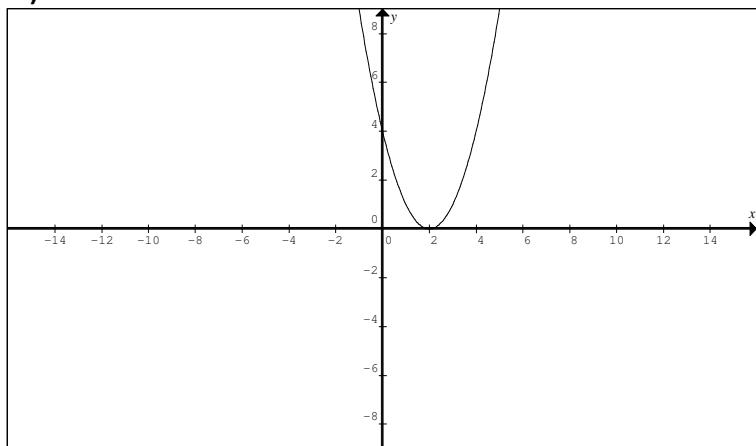
$$8) T(x) = \sqrt{x + 2}$$

$$9) Q(x) = \frac{1}{x - 3}$$

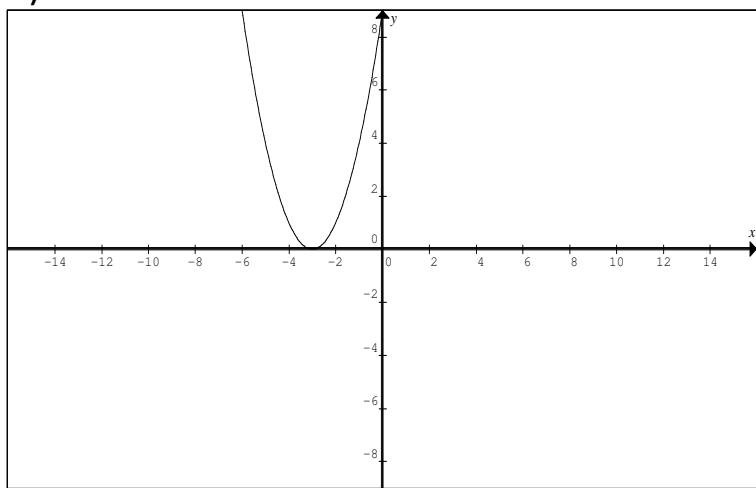
$$10) H(x) = \frac{1}{x + 4}$$

Answers to Sketching Graphs Involving Horizontal Translation

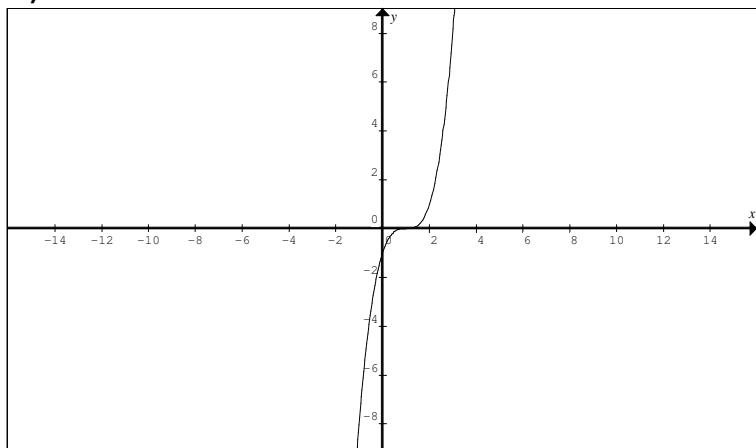
1)



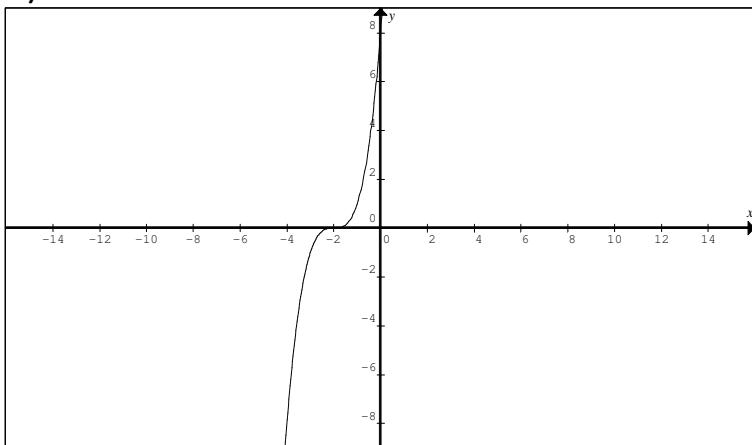
2)



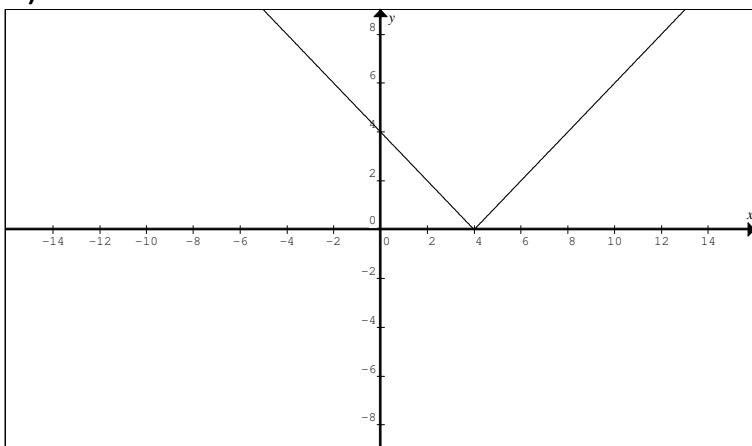
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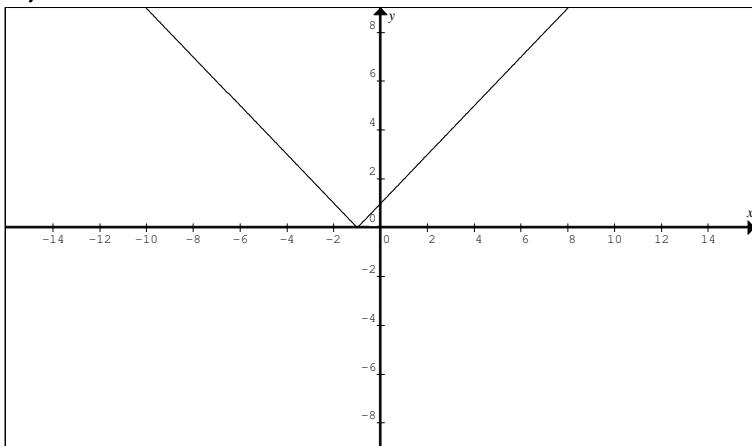
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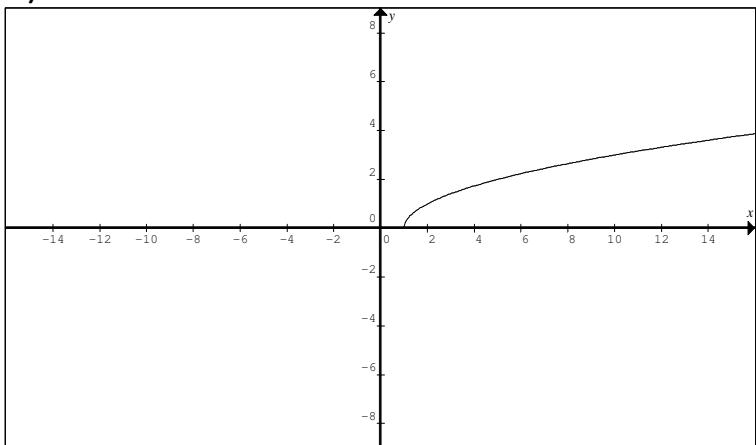
5)



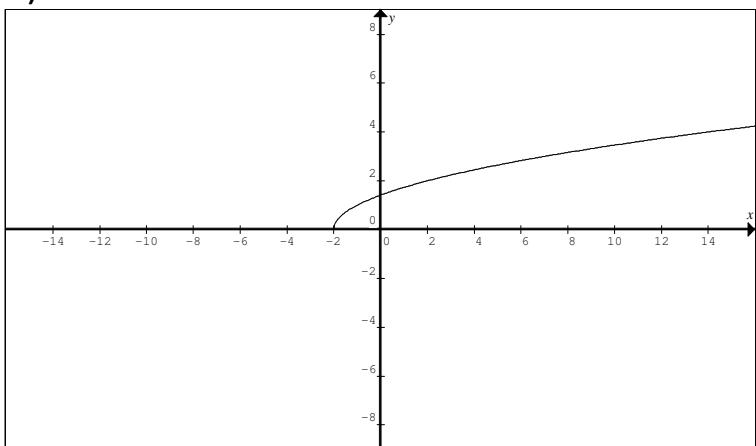
6)



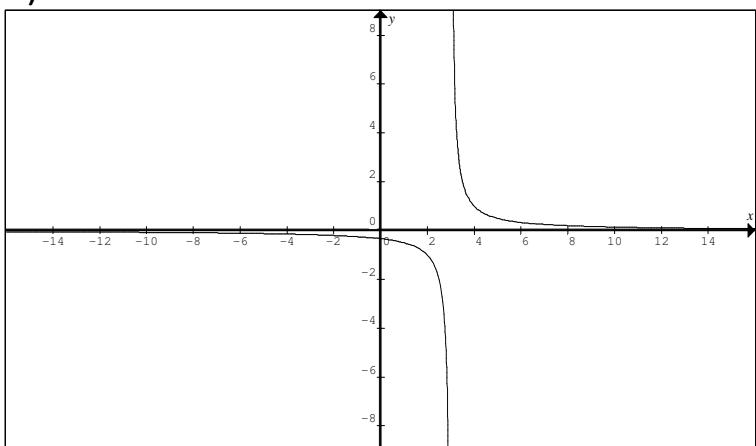
7)



8)



9)



10)

