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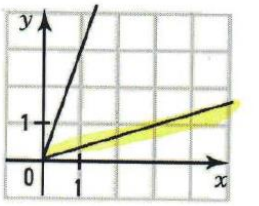
7. a) Inverse is not a function b) Inverse is a function

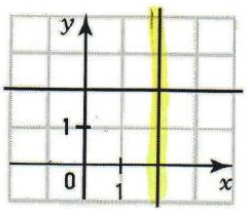
c) Inverse is a function d) Inverse is not a function

8. a)



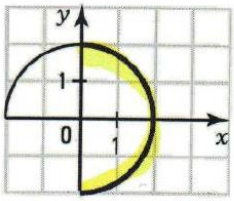
Yes

b)



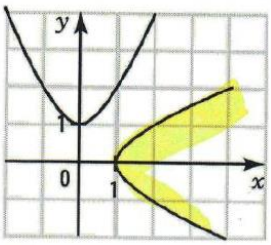
No

c)



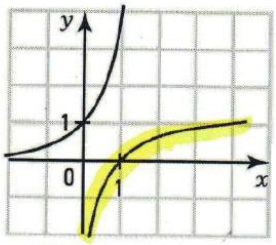
No

d)



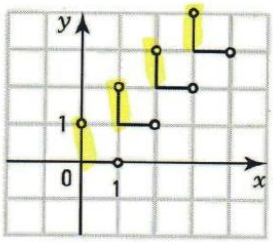
No

e)



Yes

f)



No

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9. a) $y = \frac{x}{5}$ b) $y = \frac{x}{3} + 2$ c) $y = -\frac{x}{2} + 5$

d) $y = 10x - 1000$ e) $y = \frac{3}{2}x + 9$ f) $y = -\frac{4}{3}x + 16$