

Homework 1

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1. (a) An integer x is a perfect square provided 8/30/20
that there is some integer c such that
$$x = c \cdot c.$$

- (b) A number n is said to be the square root
of another number ~~provided that~~ c
provided that
$$c = n \cdot n.$$

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2. (a) i : F (f) i : T
ii : T ii : T
iii : F iii : T

- (b) i : T (g) i : T
ii : F ii : T
iii : F iii : T

- (c) i : F (h) i : F
ii : T ii : T
iii : F iii : F

- (d) i : F
ii : F
iii : F

- (e) i : T
ii : F
iii : F