

Injective, Surjective, and Bijective Functions

Mathematics | Multiclass 10-11 | Semester 2 | Term 3

Friday, January 22, 2021

Determine whether the function represented by the arrow diagram is injective, surjective, or bijective and write down your reason!

1		
2		
3		
5		

6	<p><i>A</i> <i>B</i></p> <pre> graph LR subgraph A a b end subgraph B 1 2 3 end a --> 1 b --> 2 </pre>		
7	<pre> graph LR subgraph A a b c d end subgraph B d e f end a --> d b --> e c --> e d --> f </pre>		
8	<p>A B</p> <pre> graph LR subgraph A 1 2 3 end subgraph B 5 6 7 8 end 1 --> 5 2 --> 6 3 --> 8 </pre>		
9	<pre> graph LR subgraph A 1 2 3 4 end subgraph B 5 6 7 8 end 1 --> 5 2 --> 6 3 --> 7 4 --> 8 </pre>		

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