Definition 1. *Although the domain and codomain are not listed here, the* ***ClassRoster*** *relation includes the following set of pairs:* { *(Jim, Math), (Sally, Math), (Jim, Science), (Hazel, English), (Vana, Science), (Jordan, Science), (Jim, English), (Heather, Science), (Judy, English), (Pam, Math), Courtney, Math), (Vana, Math), (Heather, English)* }

Exercise 1 *Does the domain of ClassRoster consist of students or classes?*

Multiple Choice:

(a) *Students* ✓

(b) *Classes*

Feedback (attempt): *Students are listed first in the pairs.*

Exercise 2 *Does the codomain of ClassRoster consist of students or classes?*

Multiple Choice:

(a) *Students*

(b) *Classes* ✓

Feedback (attempt): *Classes are listed second in the pairs.*

Exercise 3 *How many elements does the domain of ClassRoster hold?*

Multiple Choice:

(a) *3*

(b) *9*

(c) *Cannot determine* ✓

Feedback (attempt): *Not every domain element has to appear in a pair of a relation.*

Exercise 4 *How many members are in the codomain of ClassRoster?*

Multiple Choice:

(a) *3*

(b) *9*

(c) *Cannot determine* ✓

Feedback (attempt): *Not every codomain element has to appear in a pair of a relation.*