Problem 1 *Consider the relation defined by the following coordinate pairs (recall that a coordinate pair is a pair of values, the first of which is the input and the second of which is the output, of the relation).*

$$(-8, 81), (65, 19), (-91, 48), (82, -77), (40, 86)$$

Which of the following are in the domain of the relation? (Select all that apply)

Select All Correct Answers:

(a) -8 ✓

(b) 81

(c) 19

(d) 65 ✓

(e) -91 ✓

(f) 86

(g) -77

(h) 40 ✓

(i) 82 ✓

(j) 48

Feedback(*`attempt`*): *Remember that the first number in each pair is the input, and the domain is comprised of all valid inputs.*

Problem 1.1 *Which of the following are in the range of the relation? (Select all that apply)*

Select All Correct Answers:

(a) -8

(b) 81 ✓

(c) 19 ✓

(d) 65

(e) -91

(f) 86 ✓

(g) -77 ✓

(h) 40

(i) 82

(j) 48 ✓

Feedback(*attempt*): *Remember that the second number in each pair is the output, and the range is comprised of all outputs that you can actually get.*

Problem 2 *Consider the relation defined by the following coordinate pairs (recall that a coordinate pair is a pair of values, the first of which is the input and the second of which is the output, of the relation).*

$$(-13, 13), (-53, -17), (-43, -51), (-95, 62), (-74, 74)$$

Which of the following are in the domain of the relation? (Select all that apply)

Select All Correct Answers:

(a) -13 ✓

(b) 13

(c) -17

(d) -53 ✓

(e) -43 ✓

(f) 74

(g) 62

(h) -74 ✓

(i) -95 ✓

(j) -51

Feedback(*attempt*): *Remember that the first number in each pair is the input, and the domain is comprised of all valid inputs.*

Problem 2.1 *Which of the following are in the range of the relation? (Select all that apply)*

Select All Correct Answers:

(a) -13

(b) 13 ✓

(c) -17 ✓

(d) -53

(e) -43

(f) 74 ✓

(g) 62 ✓

(h) -74

(i) -95

(j) -51 ✓

Feedback(*`attempt`*): *Remember that the second number in each pair is the output, and the range is comprised of all outputs that you can actually get.*

Problem 3 *Consider the relation defined by the following coordinate pairs (recall that a coordinate pair is a pair of values, the first of which is the input and the second of which is the output, of the relation).*

$$(23, -56), (86, -92), (48, -98), (-19, -42), (31, -60)$$

Which of the following are in the domain of the relation? (Select all that apply)

Select All Correct Answers:

(a) 23 ✓

(b) -56

(c) -92

(d) 86 ✓

(e) 48 ✓

(f) -60

(g) -42

(h) 31 ✓

(i) -19 ✓

(j) -98

Feedback(*`attempt`*): *Remember that the first number in each pair is the input, and the domain is comprised of all valid inputs.*

Problem 3.1 *Which of the following are in the range of the relation? (Select all that apply)*

Select All Correct Answers:

(a) 23

(b) -56 ✓

(c) -92 ✓

(d) 86

(e) 48

(f) -60 ✓

(g) -42 ✓

(h) 31

(i) -19

(j) -98 ✓

Feedback(*`attempt`*): *Remember that the second number in each pair is the output, and the range is comprised of all outputs that you can actually get.*