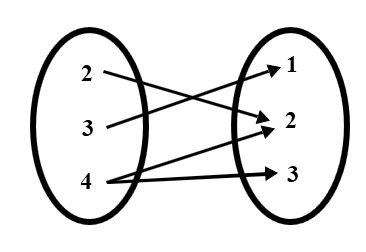
**Midterm Review Questions (Set 1)**

**1.** Is the following a function? Why or why not?



**2.** Translate the following verbal phrase:

“4 less than twice the sum of a number and 3”

**3.** Is 2 a solution? Show or explain.

4*x* – 1 > 7

**4.** Write a rule for the function.

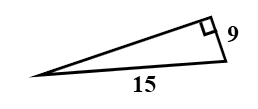
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***x*** | 0 | 2 | 4 | 6 | 8 |
| ***y*** | –3 | –2 | –1 | 0 | 1 |

**5.** Solve for *l*:

**6.** Simplify:

**7.** Rewrite in function form:

3*x* – 2*y* = –6



**8.** Find the missing side:

**9.** Add:

**10.** Simplify: **11.**

4(*x* – 3) – 2(*x* – 9) (Acc. Only)

**Answers:**

**1.** No, 4 has more than one output.

**2.** 2(*x* + 3) – 4

**3.** No, 7 is not greater than 7

**4.** *y* = ½*x* – 3

**5.**  or

**6.** –4*x* + 2

**7.**

**8.** *x* = 12

**9.**

**10.** 2*x* + 6

**11.**