**Midterm Review Questions (Set 3)**

**1.** Write a rule for the function:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***x*** | –5 | 0 | 5 | 10 | 15 |
| ***y*** | 2 | –1 | –4 | –7 | –10 |

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

“The sum of a number and 3, less than 10 is at least 30”

**3.** What is 30% of 162?

**4.** 42 is 70% of what number?

**5.** 1450 is what percent of 6250?

**6.** Solve:

7 – *m* = –9

**7.** Solve:

**8.** Solve:

**9.** Solve:

**10.** Solve:

**Answers:**

**1.**

**2.** 10 – (*x* + 3) > 30

**3.**

**4.** *x* = 60

**5.**

**6.** *m* = 16

**7.**

**8.** any number

**9.** no solution

**10.** *x* = 0