

# Graphing Review Worksheet on 5.2 and 5.3

Find the domain and range of each relation.

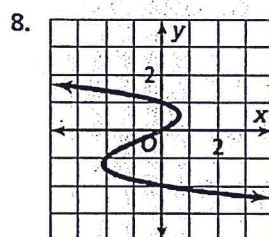
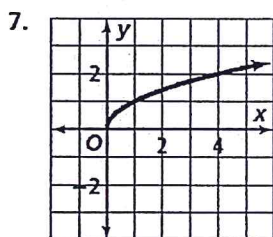
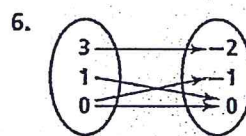
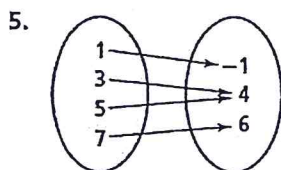
1.  $\{(-3, -7), (-1, -3), (0, -1), (2, 3), (4, 7)\}$

2.  $\{(-5, -4), (-4, 2), (0, 2), (1, 3), (2, 4)\}$

Determine whether each of the following relations is a function.

3.  $\{(-4, -3), (-2, -2), (0, -1), (1, -\frac{1}{2})\}$

4.  $\{(0, 0), (1, 1), (4, 2), (1, -1)\}$



9.  $2x + 4y = 8$

a. (2, 1) b. (1, 2)

10.  $3x - y = 8$

a. (2, 2) b. (3, 1)

11.  $y = 4$

a. (4, 2) b. (2, 4)

12.  $x = -3$

a. (-3, 2) b. (3, -3)

Model each rule with a table of values and a graph.

13.  $f(x) = x + 1$

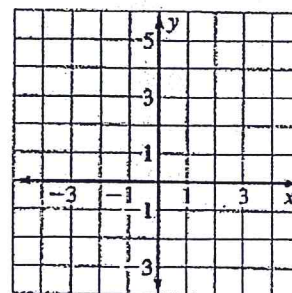
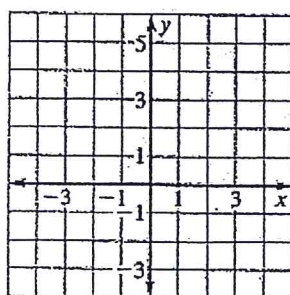
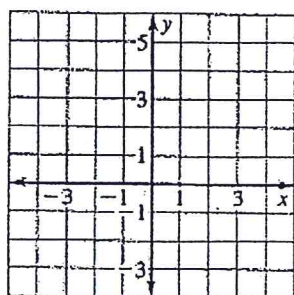
14.  $f(x) = 2x$

15.  $f(x) = 3x - 2$

| x | y |
|---|---|
|   |   |
|   |   |
|   |   |

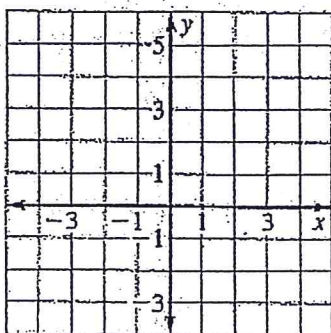
| x | y |
|---|---|
|   |   |
|   |   |
|   |   |

| x | y |
|---|---|
|   |   |
|   |   |
|   |   |



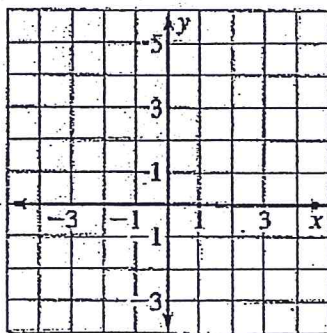
16.  $f(x) = \frac{3}{2}x - 2$

| x | y |
|---|---|
|   |   |
|   |   |
|   |   |



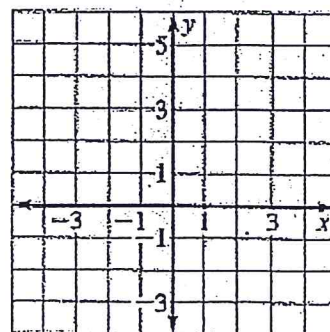
17.  $f(x) = \frac{1}{2}x$

| x | y |
|---|---|
|   |   |
|   |   |
|   |   |



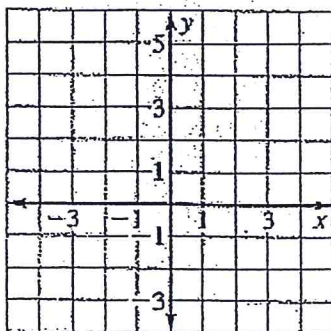
18.  $f(x) = -\frac{2}{3}x + 1$

| x | y |
|---|---|
|   |   |
|   |   |
|   |   |



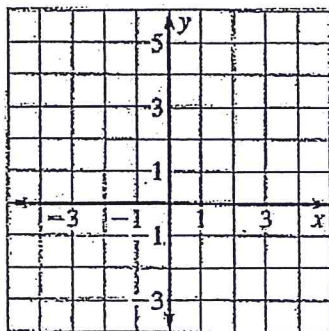
19.  $y = 2$

| x | y |
|---|---|
|   |   |
|   |   |
|   |   |



20.  $x = -4$

| x | y |
|---|---|
|   |   |
|   |   |
|   |   |



21.  $y = 0$

| x | y |
|---|---|
|   |   |
|   |   |
|   |   |

