Express each relation as a table. Then determine the domain & range.

a.) {(2, 3), (2, 6), (2, 5)}

| x | y |
|---|---|
| 2 | 3 |
| 2 | 6 |
| 2 | 5 |

D: 2

R. 3, 6, 5

b.) {(1, 4), (2, 8), (3, 12), (4, 16)}

| x | y |
|---|----|
| 1 | 4  |
| 2 | 8  |
| 3 | 12 |
| 4 | 16 |

D: 1, 2, 3, 4

R: 4, 8, 12, 16
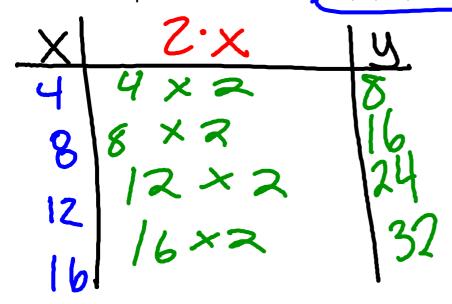
Express each relation as a table. Then determine the domain & range.

c.) {(3, 6), (4, 12), (5, 18)}

| x | y  |
|---|----|
| 3 | 6  |
| 4 | 12 |
| 5 | 18 |

domain – 3, 4, 5

range – 6, 12, 18

d.) {(1, 1), (2, 4), (3, 9), (4, 16)}

| x | y  |
|---|----|
| 1 | 1  |
| 2 | 4  |
| 3 | 9  |
| 4 | 16 |

D: 1, 2, 3, 4

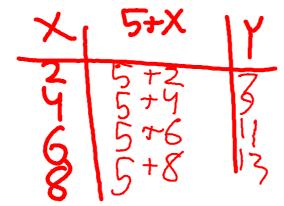R: 1, 4, 9, 16

It costs $2 per person to ride the Ferris Wheel.

Make a table of ordered pairs in which the x-coordinate represents the number of people and the y-coordinate represents the cost for 4, 8, 12, and 16 people.

| x | 2·x | y |
|---|-----|---|
| 4 | 4 × 2 | 8 |
| 8 | 8 × 2 | 16 |
| 12 | 12 × 2 | 24 |
| 16 | 16 × 2 | 32 |

Shanna downloaded 5 more songs than videos. ✗

a.) Write an equation that can be used to find the number of songs downloaded given the number of videos downloaded.

$$y = 5 + x$$

b.) Complete a table for the number of songs downloaded when the number of videos downloaded is 2, 4, 6, and 8.

| x | 5+x | y |
|---|-----|---|
| 2 | 5 + 2 | 7 |
| 4 | 5 + 4 | 9 |
| 6 | 5 + 6 | 11 |
| 8 | 5 + 8 | 13 |

There are 3 <u>apples</u> for each horse.

a.) Write an equation to find the number of apples needed for any number of horses.

$$y = 3x$$

b.) Make a table for 3, 5, 7, and 11 horses.

| x | | y |
|---|---|---|
| 3 | 3 | 9 |
| 5 | 3 | 15 |
| 7 | 3 | 21 |
| 11 | 3 | 33 |