# Curriculum Outcomes:

**(PR1) Generalize a pattern arising from a problem-solving context using linear equations and verify by substitution.**

**(PR2) Graph linear relations, analyze the graph and interpolate or extrapolate to solve problems.**

**Student Friendly: Being able to identify a linear pattern in a t-table.**

# Warm Up
# Grade 9

1) To attend the local fair the cost for admission is $5.25. If you plan to go on rides it is an additional $2.00 per ticket.

a) Create a table that shows the cost for up to 3 rides

b) Write an equation that relates the cost, C in dollars, to the number of tickets, n, for a ride.

c) How many rides can a student go on for $57.25?

d) You want to go on 12 rides, how much money do you need?

# Warm Up
# Grade 9

1) To attend the local fair the cost for admission is $5.25. If you plan to go on rides it is an additional $2.00 per ticket.

a) Create a table that shows the cost for up to 3 rides

| Tickets, n | Cost, C |
|---|---|
| 0 | 5.25 |
| 1 | 7.25 |
| 2 | 9.25 |
| 3 | 11.25 |

$y = \frac{\Delta y}{\Delta x} x \pm \#$

b) Write an equation that relates the cost, C in dollars, to the number of tickets, n, for a ride.

$C = 2n + 5.25$

c) How many rides can a student go on for $57.25?

$$C = 2n + 5.25$$

$$57.25 = 2n + 5.25$$

$$57.25 - 5.25 = 2n + 5.25 - 5.25$$

$$52 = 2n$$

$$\frac{52}{2} = \frac{2n}{2}$$

$$26 = n$$

d) You want to go on 12 rides, how much money do you need?

$$C = 2n + 5.25$$

$C = 2(12) + 5.25$

$C = 24 + 5.25$

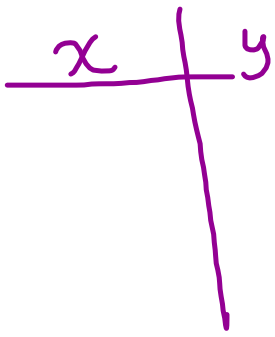
$C = 29.25$

# Equation

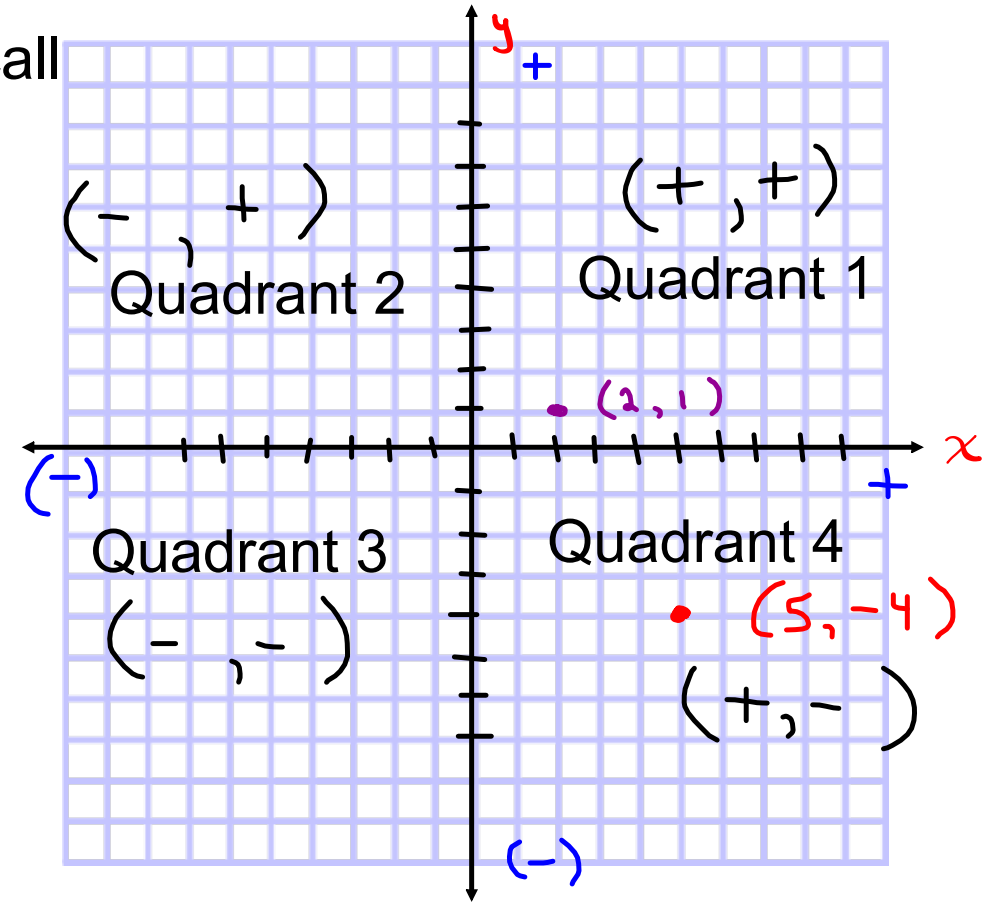
$$y = \left(\frac{\text{Change } y}{\text{Change } x}\right)(\text{"x"}) \pm \#$$

X → independent

y→ dependent



Recall




$(\overleftrightarrow{x}, \updownarrow{y})$

# Class/Homework

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Questions

14, 15, 16, 17,18, 19, 20, 21

Must Show ALL WORK

Worksheet

Review of Cartesian Coordinates


Extra Practice 4.1
Worksheet

Review of Cartesian Coordinates Worksheet

## Attachments

Section 4.1 Extra Practice.doc