56.)

$n = \#$ of quarters

$$\frac{n}{4} - 8$$

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1-4 Ordered Pairs and Relations

Coordinate Plane

y axis
dependent
variable

origin (0,0)
x axis
Independent
Variable

y axis   dependent variable

(−,+)   (+,+)

origin (0,0)
x axis   independent variable

(−,−)   (+,−)
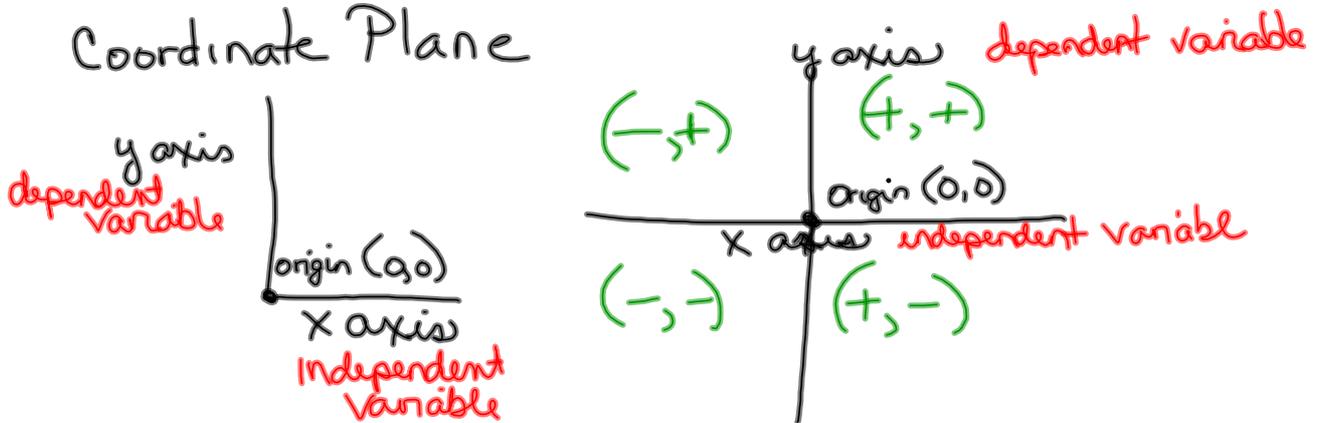
Coordinate Point   – used to identify one specific point.

($\underline{x}$, y)
over then up down

Relation — the set of ordered pairs

(domain, range)

x , y

Ordered pair   table   graph

(2,3)

x	y

y range

x

domain

(0,2) (1,4) (2,5) (3,7)

x	y
0	2
1	4
2	5
3	7

Domain $\{0, 1, 2, 3\}$

the set of #s

Range $\{2, 4, 5, 7\}$

Square Miles	# of acres
1	640
2	1280
3	1920

Acres per sq mi

Sq. miles