



## ब्वाdedPrectice

Name the ordered pair for each point graphed at the right. (Example 1)

3. $T$

2. $P<3.3>1$
(5,2)
4. $(-5,-2)$ GrapHendlabel each point on a coordinate plane. Name the quadrant in which each point is located. (Example 2)
5. $A(-2,3)$ I
6. $B(4,-1) \boldsymbol{\square}$
7. $C(-3,-2) \rrbracket$
8. $D(0,-5)$

11

9. CTSS Model with Mathematics The difference of two temperatures is $4^{\circ} \mathrm{F}$. If $x$ represents the first temperature and $y$ represents the second temperature, make a table of possible values for $x$ and $y$. Graph the ordered pairs and describe the graph. (Example 3)



## 7th Grade IGA

Work on Lesson 6 worksheet. If we have time, we will check near end of class.

If done early, work in ALEKS or budget project.


## PঙTちゃs Integers

| Date | Lesson | Topic/Assignment |
| :---: | :---: | :--- |
| $9 / 28$ | $!$ | Integers and Abs Value. Video Notes |
| $9 / 29$ | $!$ | HW Practice WS |
| $9 / 29$ | $!$ | Abs Value Examples |
| $9 / 29$ | ALL | Operations with Integers Fold able |
| $9 / 30$ | 2 | Add Integers Video Notes |
| $10 / 1$ | 2 | Skills Practice WS |
| $10 / 2$ | 3 | Subtract Integers Video Notes |
| $10 / 2$ | 3 | Practice WS |
| $10 / 6$ | 3 | Skills Practice WS |
| $10 / 6$ | 283 | "Math Antics" Video Notes |
| $10 / 7$ | 485 | Multiply and Divide Integers Video Notes |
| $10 / 8$ | 485 | Skills Practice Ws |
| $10 / 8$ | 485 | Partner Activity |
| $10 / 12$ | 6 | Graphing in the 4 Quadrants Notes and Examples |
| $10 / 12$ | 6 | Skills and Hw Practice Ws |
| $10 / 13$ | ALL | Chapter 2 Study Guide |
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## Lesson 6 Skills Practice

## Graphing in Four Quadrants

Name the ordered pair for each point graphed at the right.

1. $A$
2. $B$
3. $C$
4. $D$
5. $E$
6. $F$


Graph and label each point on the coordinate plane. Name the quadrant in which each point is located.
11. $K(1,0)$
12. $L(0,2)$
13. $M(-2,4)$
14. $N(-5,-4)$
15. $P(6,-2)$
16. $Q(7,-6)$

21. Make a table of values and graph six sets of ordered pairs for the equation $y=x-4$. Describe the graph.

Describe the graph:

| $y=x-4$ |  |  |
| :---: | :---: | :---: |
| $x$ | $y$ | $(x, y)$ |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |



## Lesson 6 Homework Practice

## Graphing in Four Quadrants

Graph and label each point on the coordinate plane. Name the quadrant in which each point is located.

1. $A(8,6)$
2. $B(-8,6)$
3. $C(-4,-11)$
4. $D(3,-6)$
5. $E(9,0)$
6. $F(-4,1)$

7. On the coordinate plane, draw a rectangle $A B C D$ with vertices at $A(1,4), B(5,4), C(5,1)$, and $D(1,1)$. Then graph and describe the new rectangle formed when you subtract 3 from each coordinate of the vertices in rectangle $A B C D$.



## Lesson 6 Skills Practice

## Graphing in Four Quadrants

Name the ordered pair for each point graphed at the right．
1．$A(-2,2)$
2．$B(3,-7)$
3．$C(-4,0)$
4．$D(3,5)$
5．$E \quad(4,2)$
6．$F(-6,-3)$
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Graph and label each point on the coordinate plane．Name the quadrant in which each point is located．

11．$K(1,0)$ none

13．$M(-2,4)$ II
14．$N(-5,-4)$ III

15．$P(6,-2)$ IV
16．$Q(7,-6)$ IV

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$19.7(3,6)$
12．$L(0,2)$ none

21．Make a table of values and graph six sets of ordered pairs for the equation $y=x-4$ ． Describe the graph．

| $y=x-4$ |  |  |
| ---: | :---: | :---: |
| $x$ | $y$ | $(x, y)$ |
| 3 | -1 | $(3,-1)$ |
| 2 | -2 | $(2,-2)$ |
| 1 | -3 | $(1,-3)$ |
| 0 | -4 | $(0,-4)$ |
| -1 | -5 | $(-1,-5)$ |
| -2 | -6 | $(-2,-6)$ |



The points are along a line slanting up to the right， crossing the $y$－axis at -4 and the $x$－axis at 4.

## Lesson 6 Homework Practice

## Graphing in Four Quadrants

Graph and label each point on the coordinate plane. Name the quadrant in which each point is located.

1. $A(8,6) \quad$ I
2. $B(-8,6) \quad$ II
3. $C(-4,-11)$ III
4. $D(3,-6)$ IV
5. $E(9,0)$ none
6. $F(-4,1) \quad$ II
7. $G(-10,-10) \quad$ III
8. $H(0,-8)$ none
9. $I(6,-2)$ IV
10. $J(2,13)$ I

11. Make a table of values and graph six sets of ordered pairs for the equation $y=5-x$.

Describe the graph

| $y=5-x$ |  |  |
| ---: | :---: | :---: |
| $x$ | $y$ | $(x, y)$ |
| 3 | 2 | $(3,2)$ |
| 2 | 3 | $(2,3)$ |
| 1 | 4 | $(1,4)$ |
| 0 | 5 | $(0,5)$ |
| -1 | 6 | $(-1,6)$ |
| -2 | 7 | $(-2,7)$ |



The points are along a line slanting down to the right, crossing the $y$-axis at 5 and the $\boldsymbol{x}$-axis at 5.
12. On the coordinate plane, draw a rectangle $A B C D$ with vertices at $A(1,4), B(5,4), C(5,1)$, and $D(1,1)$. Then graph and describe the new rectangle formed when you subtract 3 from each coordinate of the vertices in rectangle $A B C D$.


The new rectangle is the same size as rectangle $A B C D$ and is shifted to the left 3 units and down 3 units, with vertices at ( $-2,1$ ), $(2,1),(2,-2)$, and (-2, -2$)$.

