

Name: _____ Period: _____

Week 3 Homework Packet – 7th Grade Math

ASSIGNMENT DUE TUESDAY, AUGUST 23, 2016

Unit 1, Chapter 3 – Integers

Score
/4

Week Score
/12

Stamp

Evaluate the following. **Show all steps!** Use correct order of operation (Grouping, Exponents, Multiplication & Division, Addition & Subtraction)

Graph each coordinate below on the given coordinate grid. An example has been done for you to help you.

1) $3 + 5(8 - 6)$

Answer

2) $10 - \frac{5+7}{2}$

Answer

3) $2^3 + 3^2$

Answer

4) $|15 - 4| - 3$

Answer

5) $2^2 \cdot (5 + 1)$

Answer

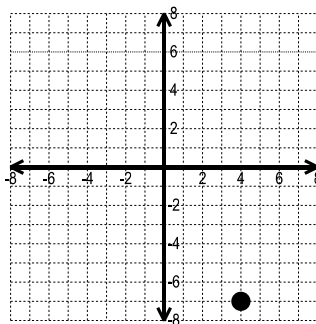
6) $(4 + 6)^2$

Answer

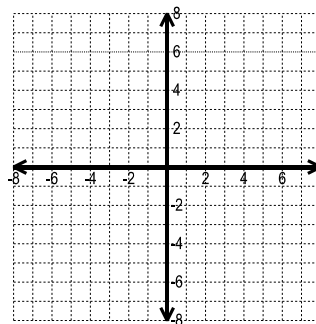
7) $16 - 2(10 - 7)$

Answer

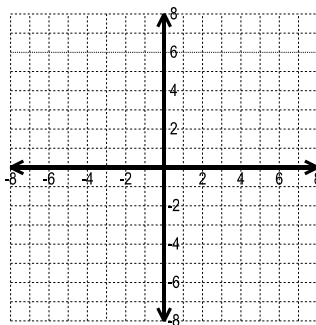
Ex) $(4, -7)$



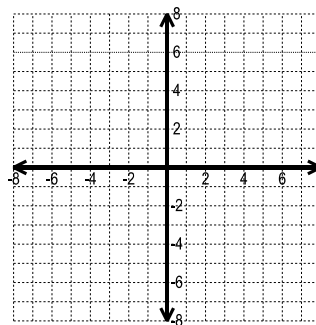
8) $(1, -5)$



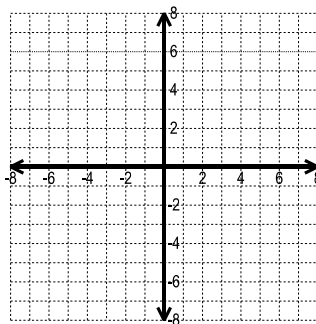
9) $(8, 2)$



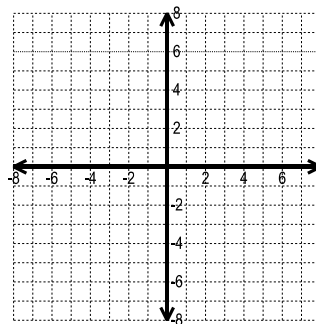
10) $(-4, 0)$



11) $(-1, -6)$



12) $(-3, 8)$



ASSIGNMENT DUE WED/THU. AUGUST 24/25. 2016

Unit 1, Chapter 3 – Integers

Add the following positive and negative integers.

1) $(-4) + (-11)$

Answer

2) $-9 + 14$

Answer

3) $21 + (-15)$

Answer

4) $17 + 14$

Answer

5) $-11 + 3$

Answer

6) $5 + (-4)$

Answer

7) $12 + (-17) + 5$

Answer

8) $-4 + 9 + (-2)$

Answer

9) $-1 + (-3) + (-11)$

Answer

Write an integer to represent each situation below. Explain why the integer you chose is the correct answer. One has been done for you. (*Note: you will not receive a stamp if you do not include explanations!*)

Ex.) The temperature has dropped by 17 degrees.

-17. Since the temperature has dropped, that means it has decreased and a negative sign should be used.

10) A company's sales are \$350,000 less this month than they were last month.

11) A mountain climber slips while climbing and ends up sliding down a hill 25 feet.

12) An Olympic discus thrower throws the discus 63 meters.

13) A climatologist studying a glacier measures that it has lost 19 square miles in area since she measured it last.

ASSIGNMENT DUE FRIDAY, AUGUST 26, 2016

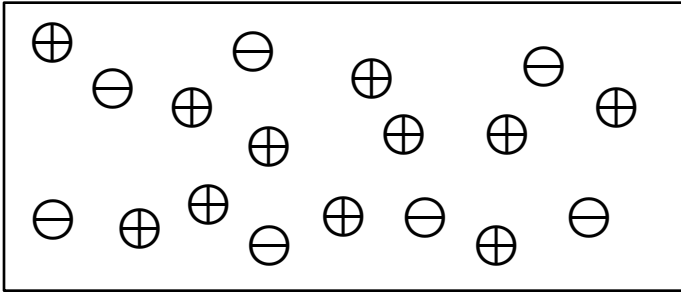
Unit 1, Chapter 3 – Integers

Score

/4

Stamp

Use the graphic below to answer questions 1–5.



1) In the graphic, the \oplus symbols represent positive numbers and the \ominus symbols represent negative numbers. How many more \oplus signs are there than \ominus signs?

2) Now, you will subtract four of the \ominus symbols by scribbling them out.

3) Count the number of each symbol again. How many more \oplus signs are there than \ominus signs now?

4) Examine your answers to questions 1 and 3. Describe in words how you would compare the effects of subtracting three negative numbers to the effects of adding three positive numbers.

5) Write a mathematical expression or equation that models the situation from problems 1–3.

Evaluate the problems below. Be sure to read the problems carefully. Some will ask you to add and some will ask you to subtract.

6) $5 - (-4)$

Answer

7) $6 - 13$

Answer

8) $-14 + 8$

Answer

9) $12 - (-3)$

Answer

10) $-5 + (-9)$

Answer

11) $-8 - (-5)$

Answer

12) $13 - 11$

Answer

13) $2 - (-17)$

Answer

14) $0 - 18$

Answer

15) $-3 + (-7)$

Answer