Name _____ Date _____ Pd _____

CYU 1.6 Subtracting Real Numbers DAY TWO

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Evaluating Expressions	1	2, 4	3, 5
Real World Application	8, 10	6, 7	9
Complementary & Supplementary Angles	11 - 14		

Evaluate each expression when x = - 5, y = 4, and t = 10. SHOW WORK!!!

1. $x - y$

2. $|x| + 2t - 8y$

3. $\dfrac{9-x}{y+6}$

4. $y^2 - x$

5. $\dfrac{|x-(-10)|}{2t}$
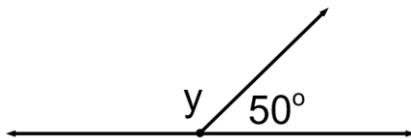
Solve and show all your work.

6. Within 24 hours in 1916, the temperature in Browning, Montana, fell from 44°F to − 56°F. How large a drop in temperature was this?

7. The coldest temperature ever recorded on Earth was − 129°F in Antarctica. The warmest temperature ever recorded was 134°F in Death Valley, California. How many degrees warmer is 134°F than -129°F?
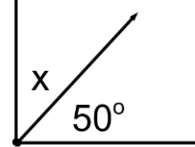
8. Mauna Kea in Hawaii has an elevation of 13,796 feet above sea level. The Mid-America Trench in the Pacific Ocean has an elevation of 21,857 feet below sea level. Find the difference in elevation between those two points.

9. A commercial jetliner hits an air pocket and drops 250 feet. After climbing 120 feet, it drops another 178 feet. What is its overall vertical change?

10. The highest point in Africa is Mount Kilimanjaro, Tanzania, at elevation of 19,340 feet. The lowest point is Lake Assal, Djibouti, at 512 feet below sea level. How much higher is Mount Kilimanjaro than Lake Assal?

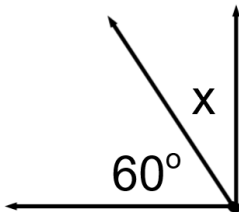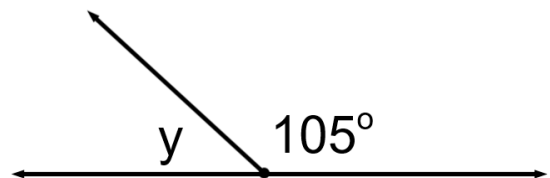*Find each unknown complementary or supplementary angle. SHOW WORK!!!*

11.

y $50°$

12.

x $50°$

13.

x $60°$

14.

y $105°$

CYU Reflection: *How far can you go: basic, intermediate, or advanced?*

Rate your mastery level!
How confident are you with the skills this CYU covered? Circle the score you would give yourself.

| 1 2 | 3 4 5 | 6 7 | 8 |
| Basic | Intermediate | Advanced | Solved ALL! |