

HW 1.3 Lesson

Name: _____

- Regular: p. 18-19 #1-7, 20-26 even, 27-31 odd, 39, 40
- Modified: p. 18-19 #4-7, 20, 22, 27, 39
- Advanced: p. 18-19 #1-7, 20-26 even, 27-31 odd, 39, 40, 42

*****No Calculators*****

1. **WRITING** How do you subtract one integer from another?

2. **OPEN-ENDED** Write two integers that are opposites.

3. **DIFFERENT WORDS, SAME QUESTION** Which is different? Find “both” answers.

Find the difference of 3 and -2 .

What is 3 less than -2 ?

How much less is -2 than 3?

Subtract -2 from 3.

MATCHING Match the subtraction expression with the corresponding addition expression.

4. $9 - (-5)$

5. $-9 - 5$

6. $-9 - (-5)$

7. $9 - 5$

A. $-9 + 5$

B. $9 + (-5)$

C. $-9 + (-5)$

D. $9 + 5$

Subtract.

20. $-6 - (-6)$

22. $32 - (-6)$

24. **ERROR ANALYSIS** Describe and correct the error in finding the difference $7 - (-12)$.



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

26. **SHARKS** A shark is at -80 feet. It swims up and jumps out of the water to a height of 15 feet. Write a subtraction expression for the vertical distance the shark travels.

(no sentence)

Evaluate the expression.

27. $-2 - 7 + 15$

29. $12 - (-5) - 8$

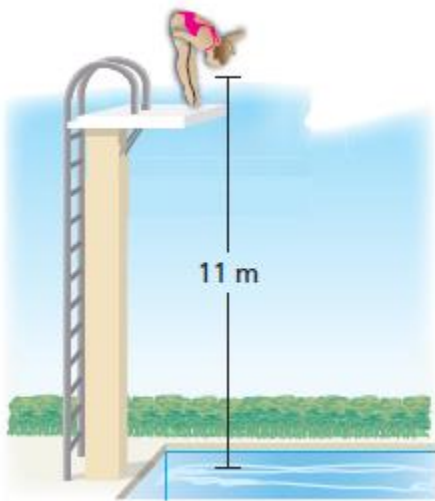
31. $-6 - (-8) + 6$

ALGEBRA Evaluate the expression when $k = -3$, $m = -6$, and $n = 9$.

39. $|m - k|$

Show work!

40. **PLATFORM DIVING** The figure shows a diver diving from a platform. The diver reaches a depth of 4 meters. What is the change in elevation of the diver?



Sentence: _____

Advanced:

42. **TEMPERATURE** The table shows the record monthly high and low temperatures for a city in Alaska.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
High (°F)	56	57	56	72	82	92	84	85	73	64	62	53
Low (°F)	-35	-38	-24	-15	1	29	34	31	19	-6	-21	-36

- Find the range of temperatures for each month.
- What are the all-time high and all-time low temperatures?
- What is the range of the temperatures in part (b)?