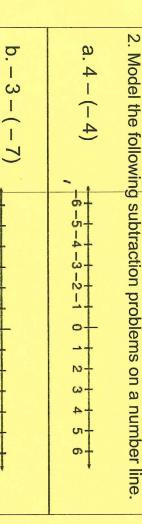I can evaluate integer expressions.

Subtraction Operation

- Use models as directed
- Use the sign on your answer
- Be prepared to defend the accuracy
  of your work

2. Model the following subtraction problems on a number line.

a. 4 − (−4)

,

-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6

b. −3 − (−7)

-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6

c. 1 − (−3)

,

-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6

d. 9 − 11

-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6

1. Model the following subtraction problems on a number line.

a. 3 − 7

-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6

b. −2 − 5

-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6

c. 7 − 1

-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6

d. 9 − 3

-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6

3. The boiling point of chlorine is −102°, while the melting point is −34°. What is the difference between the boiling and melting points?

4. The highest point in North America is Denali Mtn. at 20,230 feet above sea level. The lowest point at Death Valley at −282 feet. What is the difference is the elevations?

5. The record low temperature in Duluth, MN is −37°. The record low in Miami, FL is 45°. What is the difference between the record lows?

Solve → check with calculator
Show thinking

1) (+4) - (-1) =

2) (+6) - (-3) =

3) (-4) - (+3) =

4) (+9) - (0) =

5) (0) - (+8) =

6) (-3) - (+2) =

7) (+5) - (+9) =

8) (-8) - (-4) =

9) (-9) - (-3) =

10) (-4) - (-6) =

11) (-3) - (+1) =

12) (0) - (-2) =

13) (0) - (+2) =

14) (-2) - (-6) =

15) (+8) - (+6) =

16) (-5) - (+3) =

17) (-2) - (-6) =

18) (-7) - (+1) =

19) (+7) - (-2) =

20) (+2) - (+2) =