Module 4, Topic 1

Signed Numbers

I. A.
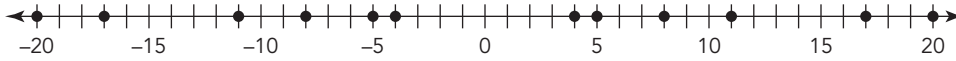
I. B.

1. −38°
2. 42°
3. 111°
4. −13°
5. 70°
6. −3°

I. C.

1. 80
2. 55
3. point *D*
4. point *F*
5. –20
6. point *B*

II. A.

1. point *D*
2. point *C*
3. point *G*
4. point *H*
5. point *A*
6. point *E*
7. point *B*
8. point *F*

II. B.

1. {*A, B*}
2. {*D, E, F*}
3. {*A, B, C, D, E*}
4. {*E, F*}
5. {*B, C, D, E, F*}
6. {*A, B, C*}
7. No points satisfy the inequality.
8. {*A, B, C, D, E, F*}
9. {*A, B, C, D*}
10. {*C, D, E, F*}

III. A.

1. 2
2. 15
3. 10
4. 0
5. 8
6. 16
7. 17
8. 20
9. 3
10. 5

III. B.

1. The temperature fell by 35 degrees.
–35

2. The value of the stock went down $250.
–250

3. The water value dropped by 8 feet.
–8

4. His savings account decreased by $1400.
–1400

5. Her elevation dropped 1816 feet.
–1816

6. The population fell by 7222.
–7222

IV. A.

1.

2.

3.

4.

5.

6.