

11.3 Subtracting Integers

ESSENTIAL QUESTION: How do you subtract integers?

SUBTRACTING TWO INTEGERS

- 1) Keep the first number.
- 2) Change the subtraction sign to addition.
- 3) Change the 2nd number to its opposite.

Subtract.

$$3 - 12 = -9$$

$$-8 + (+13) = 5$$

$$5 + (+4) = 9$$

$$8 - 3 = 5$$

$$9 - 17 = -8$$

$$-3 - 3 = -6$$

$$-14 - 9 = -23$$

$$9 + (+8) = 17$$

$$-12 + (+12) = 0$$

Evaluate the expression.

$$-7 + (+12) - 14 =$$

$$-9 - 16 - 8 =$$

$$-8 - 20 - 9 =$$

$$5 + -14 = -9$$

$$-25 + -8 = -33$$

$$-28 + -9 = -37$$

$$0 - 9 + (+5) =$$

$$-8 + (+6) - 12 =$$

$$15 - (20) - 20 =$$

$$-14 - 9 + 36 =$$

$$-9 + 5 = -4$$

$$-2 + -12 = -14$$

$$-5 + -20 = -25$$

$$-23 + -36 = -59$$

Which continent has the greater range of elevations?

	North America	Africa
Highest Elevation	6198 m	5895 m
Lowest Elevation	-86 m	-155 m

$$6198 - (-86)$$

$$6198 + 86$$

$$6284$$

$$5895 - (-155)$$

$$5895 + (155)$$

$$6050$$

North America has the greater range of elevation.