Name: $\qquad$
2.5: Subtracting Integers on a Number Line

1. Use a number line to subtract.
a) $(-5)-(-4)$ Instead of Subtracting
Keep Change Change

b) $(-6)-(+3)$

c) $(+8)-(+12)$

d) $(+7)-(+2)$

e) $(-3)-(+5)$

f) $(-7)-(-8)$

2. Use patterns to subtract.
a) $(+4)-(-3)$
b) $(-2)-(+5)$
c) $(+5)-(+8)$
3. Find the difference between:
a) Mount Everest, Nepal, at 8850 m above sea level and Java Trench, Indian Ocean, 7125 m below sea level

c) An airplane cruising at an altitude of 3500 m and a submarine at a depth 975 m
d) A kite at an altitude of 112 m and a bird at an altitude of 145 m
4. The difference between (+56) and (+45) is -11 .
a) Write the subtraction statement.
b) Write another subtraction statement using two negative integers with this difference.
c) Write another subtraction statement using a positive integer and a negative integer with this difference.
