



Year 7 Mathematics

Directed Numbers Practice Test 4

Name _____

1 Write an integer to suggested by each of the following

a) the temperature was 2 degrees below zero

b) Jill has \$1000 in her back account

2 Complete each statement by inserting the correct symbol $>$, $<$ or $=$

a) -4 ____ -1

b) 0 ____ -5

c) 6 ____ -2

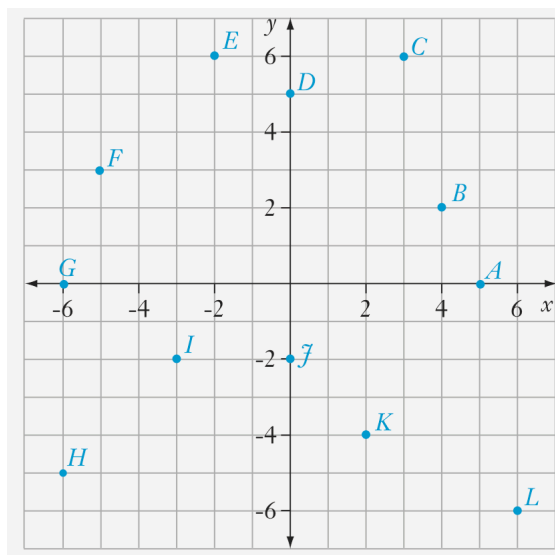
3 Graph the following sets of integers on the number line

a) $-2, 0, 1$

b) integers ≤ 1

c) integers between -2 and 3

4 In the number plane below



a) Find the coordinates of

i) A

ii) C

iii) H

b) Name the letters which have the following coordinates

i) $(2, -4)$

ii) $(-5, 3)$

iii) $(-3, -2)$

5 Calculate the following

a) $2 - 5$

b) $-3 - 6$

c) $5 - -3$

d) $-5 - -4$

6 Evaluate the algebraic expression $a + b - c$ if $a = -2$, $b = 1$ and $c = -5$

a) -5×-7

b) -6×-9

9 The temperature fell 25°C from 10°C . What is the new temperature?

10 Calculate the following

a) -5×2

b) -4×-6

c) $(-4)^2$

d) $(-3)^3$

11 Calculate

a) $10 \div -2$

ib) $-12 \div 4$

iii) $-20 \div -5$

12 Simplify

a) $\frac{-16}{2}$

b) $-5 \times \frac{4}{20}$

13 Calculate $58 - (2 \times -8 + 3^2)$ using the correct order of operations