**High School Of Haifa**

**Question 1 (20 pts)**What is a vector?

a) A quantity that has both magnitude and direction.

b) A quantity that only has magnitude.

c) A quantity that only has direction.

d) A quantity that has neither magnitude nor direction.

**Question 2 (20 pts)**Solve the equation 2x + 5 = 15 for x.

a) x = 5

b) x = 6

c) x = 7

d) x = 8

**Question 3 (50 pts)**Simplify the expression: 3(x + 2) - 2(x - 4).

a) 5x + 2

b) 5x - 2

c) 5x + 8

d) 5x - 8

**Question 4 (10 pts)**Find the slope of the line passing through the points (2, 3) and (4, 7).

a) 2

b) 4

c) 6

d) 8