4 points 2 from two different lines Part II

1. Will the line that runs through the points (10, -3) and (5, 6) intersect with the line that runs through the points (10, 0) and (-8, 16). Show evidence to support your answer.

$$\frac{-3-6}{10-5} = \frac{-9}{5}$$
L1: $Y = \frac{9}{5} \times + 15$

$$\frac{0-16}{10-8} = \frac{-16}{18} = \frac{-8}{9}$$
L2: $Y = \frac{8}{9} \times + \frac{80}{9}$

$$0 = \frac{-8}{9} \cdot 10 + 6$$

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2. Will the line that runs through the points (4, -2) and (-10, 12) intersect with the line that runs through the points (2, 7) and (0, 9). Show evidence to support your answer.

-2-12 = -14 = -1	L1: y=-x+2 L2: y=-x+9	7-9=25-1
-2: -1. 4 +b	No > Same slope	7: -1.2 +6
2 = -4 +b b= 2	// lines y-inter.	72 -2 +b 93 b

3. Will the line that runs through the points (-12, -1) and (8, -7) intersect with the line that runs through the points (7, 8) and (-3, 11). Show evidence to support your answer.

through the points (7, 8) and (-3, 11). Show evidence to support your answer:

$$\frac{-1 - 7}{-12 - 8} = \frac{6}{-20} = \frac{3}{10}$$

$$\frac{-1}{-20} = \frac{3}{10}$$

4. Will the line that runs through the points (-20, 6) and (-18, 26) intersect with the line that runs through the points (-3, 19) and (-2, 12). Show evidence to support your answer.

$$\frac{6-26}{-20-18} = \frac{-20}{-2} = 10$$

$$L2! \quad Y = 10 \times 4 \times 206$$

$$L2! \quad Y = -7 \times 4 - 2$$

$$6 = 10.20 \quad 4b$$

$$6 = -200 \quad 4b$$

$$6 = -206$$

$$12 = -7.2 \quad 4b$$

$$12 = 14 \quad 4b$$

$$12 = 14 \quad 4b$$

$$12 = 14 \quad 4b$$

5. Will the line that runs through the points (5, -11) and (18, -40) intersect with the line that runs through the points (2, -7) and (-6, 19). Show evidence to support your answer.

$$\frac{11-40}{5-18} = \frac{29}{13} = \frac{11}{13} \times \frac{29}{13} \times \frac{29}{13} \times \frac{29}{13} \times \frac{26}{13} = \frac{13}{13} \times \frac{26}{13} \times \frac{26}{13} = \frac{13}{13} \times \frac{26}{13} \times \frac{26}{13} = \frac{13}{13} \times \frac{26}{13} = \frac{26}{13} = \frac{26}{13} = \frac{26}{13} = \frac{26}{13} =$$