

Name: _____

Compare the correlations (Strong/Weak, Positive/Negative, or none), slope and y-intercepts. State whether the lines are perpendicular, parallel, intersecting, or the same line.

(1) A) $y = 5(x - 2) + 7$ B) $y = 5(x + 2) - 13$

Correlation: _____

Slope of A: _____ Slope of B: _____ Steeper Slope: _____

Y-Intercept of A: _____ Y-intercept of B: _____ Greater y-intercept: _____

The lines are: _____

(2) A) $y = 9(x + 1) - 11$ B) $y = 9(x - 2) + 18$

Correlation: _____

Slope of A: _____ Slope of B: _____ Steeper Slope: _____

Y-Intercept of A: _____ Y-intercept of B: _____ Greater y-intercept: _____

The lines are: _____

(3) A) $y = -(x + 3) + 6$ B) $y = (x + 4) + 9$

Correlation: _____

Slope of A: _____ Slope of B: _____ Steeper Slope: _____

Y-Intercept of A: _____ Y-intercept of B: _____ Greater y-intercept: _____

The lines are: _____

(4) A) $y = -2(x - 3)$ B) $y = 2(x + 1) - 5$

Correlation: _____

Slope of A: _____ Slope of B: _____ Steeper Slope: _____

Y-Intercept of A: _____ Y-intercept of B: _____ Greater y-intercept: _____

The lines are: _____