

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) $x - 3y = 12$ B) $x - 3y = -3$

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) $3x - 4y = 8$ B) $4x + 3y = 3$

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) $2x + 3y = 0$ B) $x - y = -1$

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) $10x + 2y = 2$ B) $15x + 3y = 3$

Correlation: _____

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

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

The lines are: _____