

Name _____

9th TAKS Warm-Up 5

_____ 1.) What is the relationship between the graphs of $y = \frac{3}{4}x - 2$ and $\frac{4}{3}x + y = 3$?

- A.) The two lines are parallel.
- B.) The two lines are perpendicular.
- C.) The two lines have the same slope.
- D.) There is no relationship.

_____ 2.) John recorded the batting averages of 5 players over a ten year period and plotted the information on a scatter plot. What type of correlation would be shown in comparing the players age with their average?

- A.) A positive correlation.
- B.) A negative correlation.
- C.) No correlation.
- D.) A horizontal line.

_____ 3.) The marching band is raising money to buy new uniforms. They are going to sell candles. Which equation describes the relationship between the total cost, t , and the number of candles, c ?

- A.) $t = 6c$ B.) $t = 7c - 12$ C.) $t = 5c + 12$ D.) Not Here

_____ 4.) Which is not a valid conclusion about the equation $3x + 6y = 12$?

- A.) The y-intercept is located at 2.
- B.) The slope of the line is $-\frac{1}{2}$.
- C.) The equation $y = -\frac{1}{2}x - 1$ is parallel.
- D.) The equation $y = -2x - 3$ is perpendicular.