GEOG 400/500 Project 1   **Name:** _____

1 _____ A (V→D)   _____ B (D→V) Which makes more sense?

2 _____ A (veloc)   _____ B (disch) Label one as X and the other as Y

3 _alpha_ = _____ Most common tolerance standard for Type I error risk (false positive)

4 _____ Which trend line option produces the most accurate and æsthetic line?

5 Y = _____ + _____ X   Y = a + bX   3 decimal places

6 r = _____ 3 decimal places of accuracy

7 r^2 = _____ 3 decimal places of accuracy

8 F = _____ 3 decimal places of accuracy

9 prob = _____ 3 decimal places of accuracy

10 _____ Yes   _____ No   at your _alpha_, is this model significant?

11 Intepretation of linear model

12 _____ which histogram is concave?

13 Y = _____ + _____ log(X)   Y = a + b [log(X)]   3 decimal places

14 r = _____ 3 decimal places of accuracy

15 r^2 = _____ 3 decimal places of accuracy

16   F = _____ 3 decimal places of accuracy

17   prob = _____ 3 decimal places of accuracy

18 Interpretation of semi-log model

19   Y = [_____] X [_____] $Y = aX^b$ 3 decimal places

20   r = _____ 3 decimal places of accuracy

21   r^2 = _____ 3 decimal places of accuracy

22   F = _____ 3 decimal places of accuracy

23   prob = _____ 3 decimal places of accuracy

24 Interpretation of log-log model

25 Grand overall analysis

If you need more space for questions 11, 18, 24, or 25, continue down below (and include #). Be sure to cover direction of association (direct or inverse), r. sq. (proportion explained), whether it's significant (p<α?), and, where appropriate, how æsthetic the trend line is and whether a given mathematical transform is worth the bother in terms of improvements in significance and æsthetics.