a. \( y = -0.3522x + 119.73 \)
\( R^2 = 0.0693 \)
\( p = 0.2036 \)

b. \( y = 1.0806x - 1.1729 \)
\( p = 0.0001 \)

c. \( y = 0.1173x + 10.758 \)
\( p = 0.0148 \)

d. \( y = 0.5752x + 14.702 \)
\( R^2 = 0.1031 \)
\( p < 0.0001 \)