5. (a) $r^2 = .485 \rightarrow \boxed{r = .696}$

(b) $\hat{y} = -14364.5 + 538.915x$

$\hat{y}$: predicted home attendance; x: # of wins

(c) 48.5% of the variation in home attendance is accounted for by the least squares regression line.

(d) $x = 75$ game wins

$\hat{y} = -14364.5 + 538.915(75)$

$\hat{y} = \boxed{26,054 \text{ people}}$

(e) $x = 88$ game wins

$y = 35,500$ fans

$\hat{y} = -14364.5 + 538.915(88)$

$\hat{y} = 33,060.02$

residual $= y - \hat{y} = 35,500 - 33,060.02 = 2439.98$

The Detroit Tigers had about 2,440 more fans than predicted.