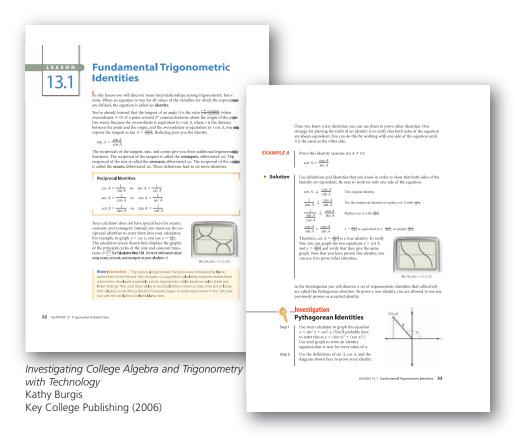
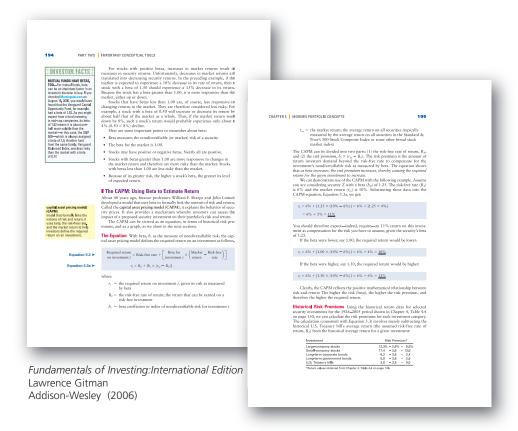
DANIEL DURAN

1393 N. 260 W. #3 Logan, Utah 84341 (435)753-0228 df@dfduran.com

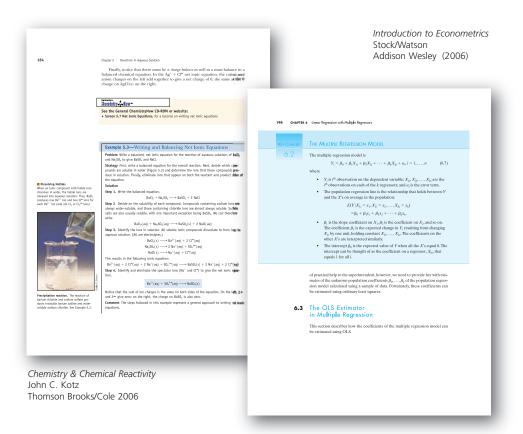
Math/Textbook Portfolio





DANIEL DURAN

1393 N. 260 W. #3 Logan, Utah 84341 (435)753-0228 df@dfduran.com



Required return on investment
$$j = \text{Risk-free rate} + \begin{bmatrix} \text{Beta for } \\ \text{investment } j \end{bmatrix} \times \begin{pmatrix} \text{Market } - \text{Risk-free} \\ \text{return} \end{pmatrix}$$

 $r_i = R_F + [b_i \times (r_m - R_F)]$

 $+b_k X_{ki}$, and the mistake in predicting Y_i is $Y_i - (b_0 + b_1 X_{1i} + \cdots + b_k X_{ki}) = Y_i - b_0 - b_1 X_{1i} - \cdots - b_k X_{ki}$. The sum of these squared prediction mistakes over all n observations thus is

$$\sum_{i=1}^{n} (Y_i - b_0 - b_1 X_{1i} - \dots - b_k X_{ki})^2.$$
 (6.8)

$$\frac{\cos A}{\sin A} = \frac{\cos A}{\sin A}$$
 1 ÷ $\frac{\sin A}{\cos A}$ is equivalent to 1 · $\frac{\cos A}{\sin A}$, or simply $\frac{\cos A}{\sin A}$.

Therefore, $\cot A = \frac{\cos A}{\sin A}$ is a true identity. To verify this, you can graph the two equations $y = \cot A$ and $y = \frac{\cos A}{\sin A}$ and verify that they give the same



$$BaCl_2(aq) + Na_2SO_4(aq) \longrightarrow BaSO_4(s) + 2 NaCl(aq)$$

Step 3. Identify the ions in solution. All soluble ionic compounds dissociate to form ions in aqueous solution. (All are electrolytes.)

$$BaCl_2(s) \longrightarrow Ba^{2+}(aq) + 2 Cl^-(aq)$$

 $Na_2SO_4(s) \longrightarrow 2 Na^+(aq) + SO_4^{2-}(aq)$