Time/Distance/Fuel to Descend

Parameters: Descent Rate: 500   FPM
            Descent Speed: 95   MPH
            Power Setting: 2100 RPM
            Fuel Burn: 5.5   GPH

Time: (Cruise Altitude - TPA) / 500

Distance: (Cruise Altitude - TPA) x 3) / 1000 + *2*

- This is referred to as the "3 to 1" formula and is used for a rough estimate.
- Refer to example for E6B instructions. The E6B is the preferred method for calculating distance.

Allows for TP entry 2 NM from airport

Fuel: Calculate using E6B

- Example: Cruise Altitude = 4500 feet.   TPA = 2300 feet.

Time: (4500 feet - 2300 feet) / 500 FPM = 4.4 minutes

Distance: E6B: Set index to speed of 95
                   Above 4.4 (time) read 7 NM
                   Add *2** to get 9 NM

Fuel: E6B: Set index to fuel burn of 5.5
                   Above 4.4 (time) read .4 gallons