8.2 – Simple Interest

Simple Interest – Interest is paid only at the end of a specified period of time and is only paid on the original amount invested (**principal**).

$$I = Interest earned$$

$$P = Principal$$

$$r = Interest rate per year (in decimal form)$$

$$t = Time in years$$

Example

Future Value – Value after t years. Future value is the principal plus interest.

$$A = P(1+rt)$$

$$A = Puture Value$$

$$P = Principal$$

$$r = Interest rate per year (in decimal form)$$

$$t = Time in years$$

Example

specified value at value.	fter t years. The l		rate to achieve a d to find the prese	
Example				
Finding the inte	rest rate (r) [or ti	me (t)].		
Example				