SUCCESS CENTER PRACTICE SHEET Calculating Simple, Exact, and Ordinary Interest

Formula:	Interest = Principal * Rate * Time	
1)	Calculate simple interest. Principal = \$10,000 Rate = 8% Time = 6 months	
2)	Calculate exact interest. Principal = \$15,000 Rate = 6% Time = 280 days	
3)	Calculate ordinary interest. Principal = \$15,000 Rate = 6% Time = 280 days	
4)	Calculate simple interest. Principal = \$8,700 Rate = 12% Time = 2 years	
5)	Calculate the principal. Simple interest = \$50 Rate = 5% Time = 1 month	
6)	Calculate the interest rate. Principal = \$10,000 Time = 18 months Interest = \$1,050	
7)	Calculate the time. Principal = \$7,500 Rate = 10% Interest = \$125	
8)	Calculate final payoff. Principal = \$6,400 Rate = 6% Time = 1 year On the 30th day, \$400 was paid, and on the 70th day, \$350 was paid. On the due date of the loan, what was the payoff?	

1)	Calculate simple interest.I = P*RPrincipal = \$10,000I = (\$10Rate = 8% I = \$40Time = 6 monthsI = \$40		₹*T 0,000)(.08)(6/ 12) 00	
2)	Calculate exact interest. Principal = \$15,000 Rate = 6% Time = 280 days	I = P*R*T I = (\$15,000 I = \$690.41	D)(.06)(280/ 365)	
3)	Calculate ordinary interest. Principal = \$15,000 Rate = 6% Time = 280 days	I = P*R*T I = (\$15,000 I = \$700	D)(.06)(280/ 360)	
4)	Calculate simple interest. Principal = \$8,700 Rate = 12% Time = 2 years	I = P*R*T I = (\$8,700)(.12)(2) I = \$2,088		
5)	Calculate the principal.I = P*FSimple interest = \$50\$50 =Rate = 5%P = \$1Time = 1 month		[:] R*T : P(.05)(1/12) 12,000	
6)	Calculate the interest rate. Principal = \$10,000 Time = 18 months Simple interest = \$1,050	I = P*R*T \$1,050 = (1 R = .07 R = 7%	0,000)R(18/12)	
7)	Calculate the time.I = P*R*TPrincipal = \$7,500\$125 = (\$Rate = 10%Simple interest = \$125		500)(.10)T	
8)	Calculate the final payoff. Principal = \$6,400 Rate = 6% Time = 1 year On the 30th day, \$400 was paid, and on the 70th day, \$350 was paid. On the due date of the loan, what was the payoff?		I = (\$6,400)(.06)(30/360) $I = 32 1st payment \$400 - 32 = \$368 Principal \$6,400 - 368 = \$6,032 $I = (\$6,032)(.06)(40/360)$ $I = 40.21 2nd payment \$350 - 40.21 = \$309.79 Principal \$6,032 - 309.79 = \$5,722.21 360 - 70 = 290 I = (\$5,722.21)(.06)(290/360) $I = 276.57 Payoff \$5,722.21 + 276.57 = \$5,998.78	