

SOLUTIONS...

1)

Paula's Investment:

$$5600 + 10(500) + (200)(12)(10)$$

$$= 34600$$

Paula invested \$34600

Jonathan's Investment:

$$2000 + (55)(52)(10) + 4000$$

$$= 34600$$

Jonathan invested \$34600

Paula and Jonathan will invest the same amount over the ten years.

2)

Use the financial application on your graphing calculator:

For single-payment investments, enter: Term in years, Present value, Annual interest rate, Compounding frequency

For regular-payment investments, enter: Number of payments, Regular payment amount, Payment frequency, Payments at Beginning or End of compounding period, Annual interest rate, Compounding frequency

Future Value (Paula)

TFSA	= \$6976.62
CSBs	= \$5892.88
Savings Account	= \$26 007.87

Portfolio total = \$38 877.37

Total future value = \$38 877.37

Future Value (Jonathan)

GIC	= \$3030.71
Savings Account	= \$31 329.72
* Bond (reinvested at 5 yrs*)	= \$5955.45

Portfolio total = \$40 315.88

Total future value = \$40 315.88

* Jonathan's bond has a future value of \$4856.65 after five years, which he reinvests for another five years at 4.1%.

3)

Subtract the amount invested from the future value, then divide by the amount invested.

Rate of Return (Paula)

$$= \frac{38877.37 - 34600}{34600}$$

$$= 0.123$$

Rate of Return (Jonathan)

$$= \frac{40315.88 - 34600}{34600}$$

$$= 0.165$$

Jonathan's portfolio will have a rate of return of about 17%. This is about 5% higher than the rate of return from Paula's portfolio, which will be about 12%.

Jonathan's Portfolio

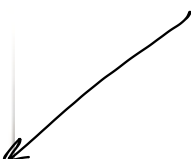
- 10-year \$2000 guaranteed investment certificate (**GIC**) earning 4.2%, compounded semi-annually
- Weekly deposits of \$55 to a **savings account** earning 1.8%, compounded weekly
- Five-year **\$4000** **bond** earning 3.9%, compounded quarterly and then reinvested in a 4.1% **bond**

$$4000(1+0.039/4)^{20}$$

$$4856.654713$$

$$4856.65(1+0.041/4)^{20}$$

$$5955.441857$$



Select Income Advantage Managed Corporate Class (Class A)



Fund Facts

as at September 30, 2012

Fund Codes	Managed	Custom
LSC	CIG2290	CIG2265
DSC	CIG3290	CIG3265
LSC	CIG1420	CIG1465

Managed By: CI Investments Inc.

Advisors: CI Investment Consulting

Assets Under Management*: \$727.1 million

Portfolio Manager: Multi-manager

Asset Class: Diversified Income

Inception Date: July 2010

NAV: \$10.80

Min. Initial Investment: \$25,000

Subsequent Purchase(s): \$25,000

Min. PAC Investment: \$250

Management Expense Ratio: 2.02%

Top Holdings as at August 31, 2012

Gov't of Canada, 2.00%, March 1, 2014	2.03%
Gov't of Canada, 2.75%, June 1, 2022	1.91%
Can. Treasury, 2.00%, November 15, 2011	1.88%
Gov't of Canada, 4.00%, June 1, 2041	1.55%
Eli Lilly & Co.	1.46%
Gov't of Canada, 2.25%, August 1, 2014	1.24%
Gov't of Canada, 3.00%, December 1, 2015	1.18%
Province of British Columbia, 3.70%, December 18, 2020	1.15%
iShares DEX Universe Bond	1.14%
Province of Quebec, 4.50%, December 1, 2020	1.10%
Total	14.64%

Volatility Meter



Equity Style and Capitalization Overview

	Blend	Growth	Value
Large			
Mid			
Small			

Source: CI Investments and The Globe and Mail Inc.

OBJECTIVE

The investment objective of this fund is to provide exposure to a diversified portfolio of income-generating securities in a manner that is similar to holding multiple income-generating funds. The fund invests primarily in investment grade fixed income securities issued by governments and corporations in Canada and globally. The fund may also invest up to 50% in other income generating securities such as preferred shares, common shares and real estate investment trusts. The fund's investment will be made primarily through investments in other mutual funds, either directly or by entering into derivatives, and the fund may directly hold securities from time to time. Any change to the investment objective must be approved by a majority of the votes cast by shareholders at a meeting called to consider the change.

Compound Returns and Quartile Rankings (as at September 30, 2012)

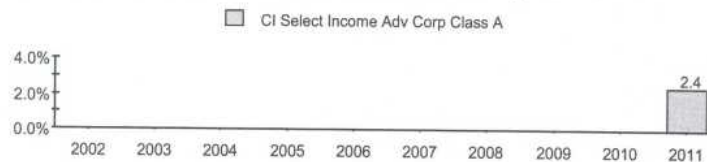
This table shows the historical annual compound total return of the fund compared with the Globefund Group Average and the fund's quartile ranking within the Globefund Peer Group. The returns listed below are percentages. Performance of the fund versus its official benchmark can be found in the Management Report of Fund Performance (MRFP). See the related document section on this web page.

	YTD	1Mo	3Mo	1Yr	3Yr	5Yr	10Yr	Since Inception*
Qrtl	2	4	4	3	(N/A)	(N/A)	(N/A)	(N/A)
Return	5.37	0.84	0.93	7.14	(N/A)	(N/A)	(N/A)	3.54
Grp Avg	5.08	1.2	2.31	8.05	5.42	3.17	4.2	(N/A)

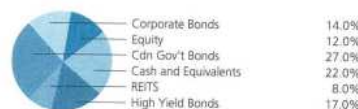
*July 13, 2010

Performance Data

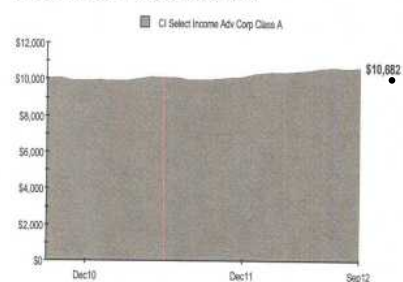
This chart shows you the fund's annual performance and how an investment would have changed over time.



Asset Class



Current Value of a \$10,000 Investment



Mutual Funds
(Class A)

Fund Facts

as at September 30, 2012

Fund Codes	Class A	Corporate Class
ISC	CIG9010	CIG2308
DSC	CIG9060	CIG3308
LSC	CIG1150	CIG1308

Managed By: CI Investments Inc.

Advisors: Signature Global Advisors
Chief Investment Officer Eric Bushell

Assets Under Management*: \$346.8 million

Portfolio Manager: John Shaw and Geof Marshall

Asset Class: Global Fixed Income

Inception Date: December 2001

NAV: \$9.97

Min. Initial Investment: \$500

Subsequent Purchase(s): \$500

Min. PAC Investment: \$50

Management Expense Ratio: 2.10%

Top Holdings as at August 31, 2012

Gov't of Canada, 2.75%, June 1, 2022	0.93%
Harvest Operations Corp., 6.88%, October 1, 2017	0.82%
International Lease Finance, 8.75%, March 15, 2017	0.82%
Lincoln National Corp., 7.00%, May 17, 2066	0.74%
Calpine Corp., 7.50%, February 15, 2021	0.72%
Chiron Merger Sub, 10.50%, November 1, 2018	0.70%
National Money Mart Company, 10.38%, December 15, 2016	0.66%
SunGard Data Systems, 10.25%, August 15, 2015	0.60%
Multiplan Inc, 9.88%, September 1, 2018	0.58%
Pacific Rubiales Energy, 7.25%, December 12, 2021	0.57%
Total	7.14%

Volatility Meter



Fixed Income and Capitalization Overview



Source: CI Investments and The Globe and Mail Inc.

Signature Corporate Bond Fund (Class A)

Also available: Class F & I



OBJECTIVE

The fund's investment objective is to achieve a yield advantage by using fundamental value analysis to evaluate investments. The fund will invest mainly in fixed-income securities that are investment grade and below investment grade. The fundamental investment objective of the fund can only be changed with the approval of a majority of the votes cast by unitholders at a meeting called specifically to vote on the change to the investment objectives.

Compound Returns and Quartile Rankings (as at September 30, 2012)

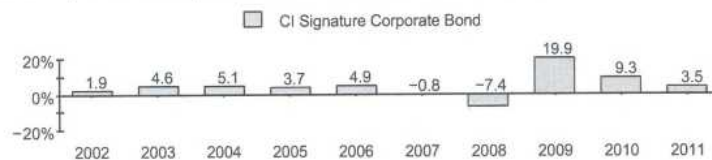
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	YTD	1Mo	3Mo	1Yr	3Yr	5Yr	10Yr	Since Inception*
Qrtl	3	4	4	3	3	3	3	(N/A)
Return	6.84	0.61	1.82	10.73	7.56	6.13	4.89	4.6
Grp Avg	8.45	1.13	3.29	11.99	8.31	6.2	6.16	(N/A)

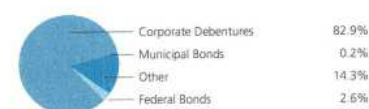
*December 17, 2001

Performance Data

This chart shows you the fund's annual performance and how an investment would have changed over time.



Bond Type



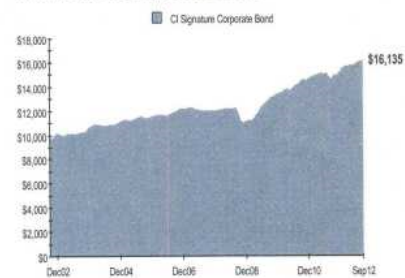
Bond Term



Geographic Composition



Current Value of a \$10,000 Investment



Mutual Funds
(Class A)

Fund Facts

as at September 30, 2012

Fund Codes	Class A	Corporate Class
ISC	CIG6886	CIG2304
DSC	CIG786	CIG3304
LSC	CIG1786	CIG1304

Managed By: CI Investments Inc.

Advisors: Signature Global Advisors
Chief Investment Officer Eric Bushell

Assets Under Management*: \$4,168.7 million

Portfolio Manager: Geoff Marshall, Joe D'Angelo and Ryan Fitzgerald

Asset Class: Canadian Balanced Income

Inception Date: December 1996

NAV: \$14.02

Min. Initial Investment: \$500

Subsequent Purchase(s): \$500

Min. PAC Investment: \$50

Management Expense Ratio: 1.60%

Top Holdings as at August 31, 2012

Inter Pipeline Fund	2.16%
Suncor Energy	2.01%
Royal Dutch Shell PLC	1.99%
Suminair REIT	1.91%
Cdn. Real Estate Investment	1.73%
Allied Properties REIT	1.67%
Brookfield Asset Management	1.62%
Brookfield Renewable Energy	1.32%
Transurban Group	1.30%
H&R Real Estate Invest. Trust	1.24%
Total	16.95%

Volatility Meter



Equity Style and Capitalization Overview



Source: CI Investments and The Globe and Mail Inc.

Signature High Income Fund (Class A)

Also available: Class F & I



OBJECTIVE

This fund's objective is to generate a high level of income and long-term capital growth. It invests primarily in high-yielding equity securities and Canadian corporate bonds. Any change to the investment objective must be approved by a majority of votes cast at a meeting of unitholders held for that reason.

Compound Returns and Quartile Rankings (as at September 30, 2012)

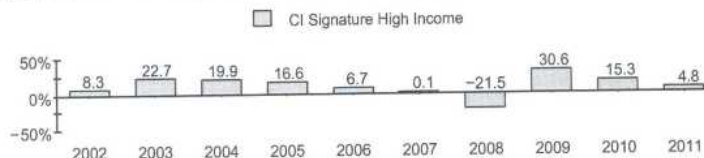
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	YTD	1Mo	3Mo	1Yr	3Yr	5Yr	10Yr	Since Inception*
Qrtl	1	4	1	1	1	1	1	(N/A)
Return	8.61	1.22	3.43	13.87	11.54	5.75	9.44	9.74
Grp Avg	5.8	1.75	2.95	9.28	5.07	1.37	4.85	(N/A)

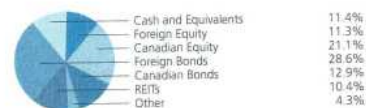
*December 18, 1996

Performance Data

This chart shows you the fund's annual performance and how an investment would have changed over time.



Asset Class



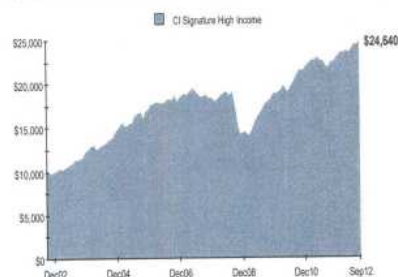
Equity Sectors



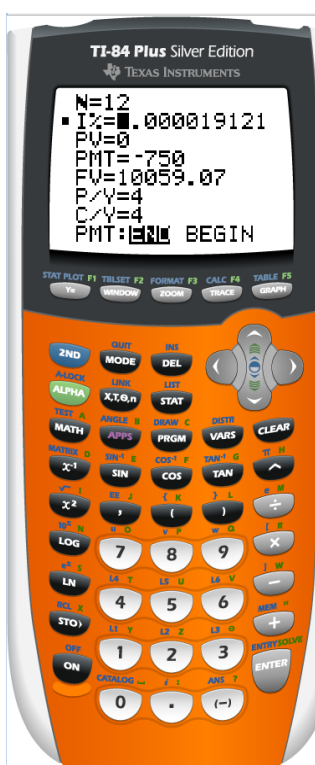
Geographic Composition



Current Value of a \$10,000 Investment



IN CLASS PRACTICE WITH THE TI-84...



p. 493: #1, 2, 4, 7, 8, 10, 11, 12, 13, 15

HOMEWORK...

Test on *Friday...

PRACTICE QUESTIONS...
 p. 509:
 Formulas...#1, 2a, 3, 4, 6, 7a
 TVM-Solver...#8, 9, 10
 p. 506: Self Test
 p. 483: Mid-Chp Review

- Simple Interest

$$I = Prt \quad A = P + Prt$$

$$A = P + I \quad A = P(1 + rt)$$

- Compound Interest

$$A = P \left(1 + \frac{r}{n} \right)^{nt} \quad I = A - P$$

- Rate of Return - Rule of 72

$$ROR = \frac{\text{earn}}{\text{invested}} \times 100\%$$

$$\text{doubling time} = \frac{72}{\text{rate}}$$

- Present Value

$$P = \frac{A}{\left(1 + \frac{r}{n} \right)^{nt}}$$

- Regular Payments (TVM-Solver)

```
N=
I% =
PV =
PMT =
FV =
P/Y =
C/Y =
PMT:  END  BEGIN
```