



Universidad Autónoma de Coahuila

Facultad de Ingeniería Mecánica y Eléctrica
Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	14137625
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	JESUS EMMANUEL MORALES MENUIOLA		

Instructions

1. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

Questions

1. In the following RLC series circuit, $R = 40\ \Omega$, $L = 50\text{ mH}$, $C = 2\ \mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

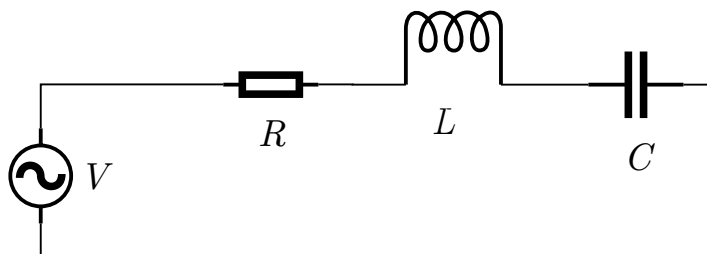


Figure 1

2. Find resonant frequency for the above circuit. (1 point)



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Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	14121732
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	JOEL GERARDO AGUERO LLANAS		

Instructions

1. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

Questions

1. In the following RLC series circuit, $R = 50\ \Omega$, $L = 90\ \text{mH}$, $C = 6\ \mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

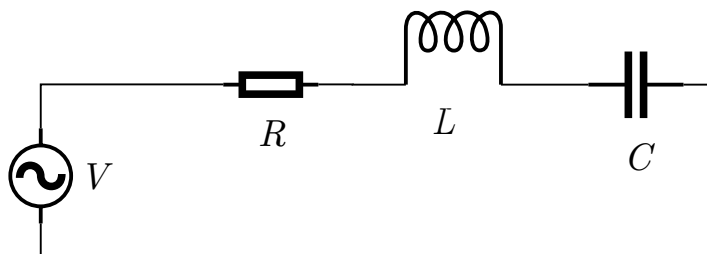


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Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	14124427
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	JERSON CHAVEZ ORTIZ		

Instructions

1. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

Questions

1. In the following RLC series circuit, $R = 60\ \Omega$, $L = 30\text{ mH}$, $C = 9\ \mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

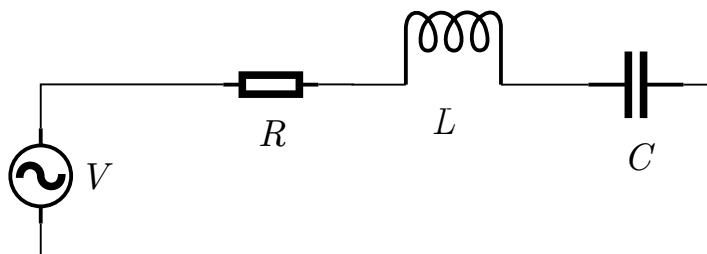


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Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	14156040
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	LUIS ANTONIO FERNENDEZ CARRASCO		

Instructions

1. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

Questions

1. In the following RLC series circuit, $R = 80\ \Omega$, $L = 50\ \text{mH}$, $C = 4\ \mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

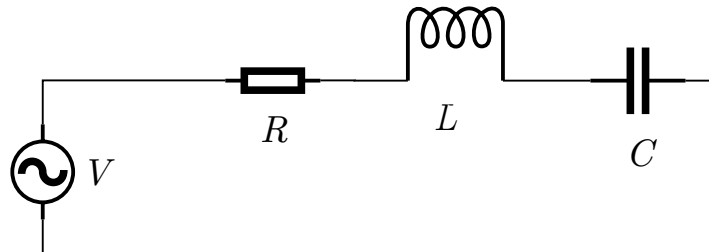


Figure 1

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Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	14156037
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	MICHAEL MURILLO MENDEZ		

Instructions

1. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding.
(20% of the marks obtained will be reduced)

Questions

1. In the following RLC series circuit, $R = 90\ \Omega$, $L = 60\text{ mH}$, $C = 7\ \mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

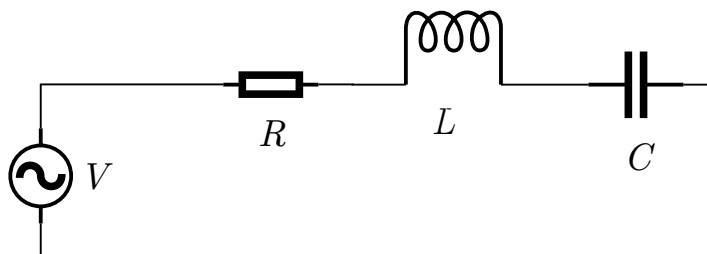


Figure 1

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Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	11073892
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	JOSUE AMADOR SIFUENTES		

Instructions

1. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

Questions

1. In the following RLC series circuit, $R = 90\ \Omega$, $L = 60\ \text{mH}$, $C = 5\ \mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

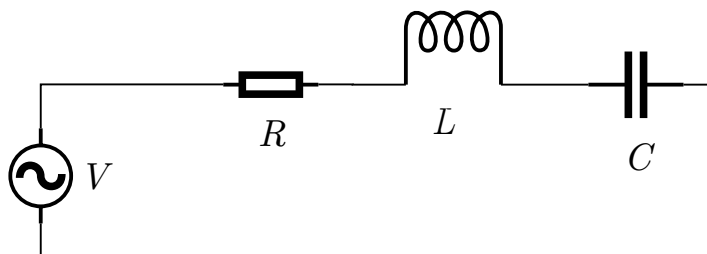


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Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	11268436
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	EDUARDO ZALDIVAR MARTINEZ		

Instructions

1. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding.
(20% of the marks obtained will be reduced)

Questions

1. In the following RLC series circuit, $R = 70\ \Omega$, $L = 20\ \text{mH}$, $C = 5\ \mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

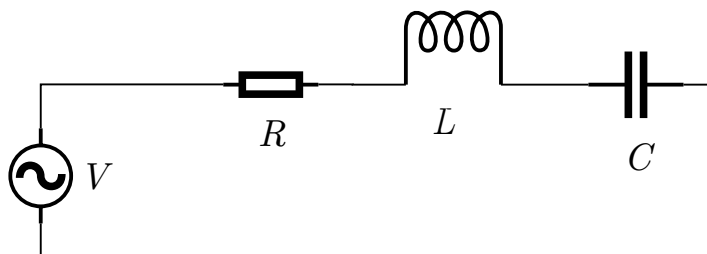


Figure 1

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Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	14140390
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	LUIS DAVID MARENTES REYES		

Instructions

1. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

Questions

1. In the following RLC series circuit, $R = 80\ \Omega$, $L = 70\ \text{mH}$, $C = 3\ \mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

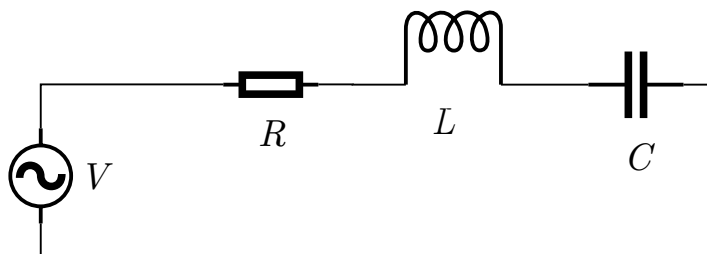


Figure 1

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Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	12068799
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	JESUS ANTONIO ROBLESREYES		

Instructions

1. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

Questions

1. In the following RLC series circuit, $R = 50\ \Omega$, $L = 20\ \text{mH}$, $C = 3\ \mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

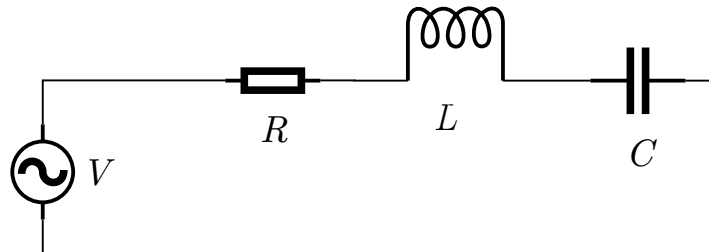


Figure 1

2. Find resonant frequency for the above circuit. (1 point)



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Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	14150725
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	LILIANA VERA GLZ		

Instructions

1. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

Questions

1. In the following RLC series circuit, $R = 30\Omega$, $L = 40\text{mH}$, $C = 6\mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

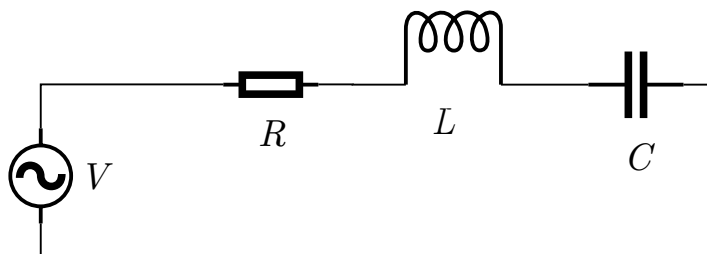


Figure 1

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Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	14125016
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	DAVID OTHONIEL SALDIVAR PEREZ		

Instructions

1. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

Questions

1. In the following RLC series circuit, $R = 30\Omega$, $L = 60\text{ mH}$, $C = 9\mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

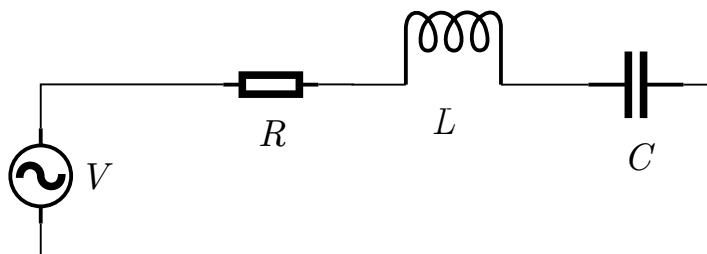


Figure 1

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Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	1205596
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	ALBERTO VAZQUEZ MEDINA		

Instructions

1. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding.
(20% of the marks obtained will be reduced)

Questions

1. In the following RLC series circuit, $R = 50\ \Omega$, $L = 70\ \text{mH}$, $C = 7\ \mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

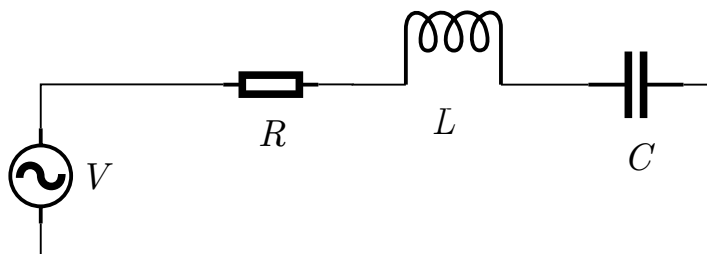


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Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	12666518
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	SAMUEL ROSAS GONZALEZ		

Instructions

1. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

Questions

1. In the following RLC series circuit, $R = 50\ \Omega$, $L = 70\text{ mH}$, $C = 9\ \mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

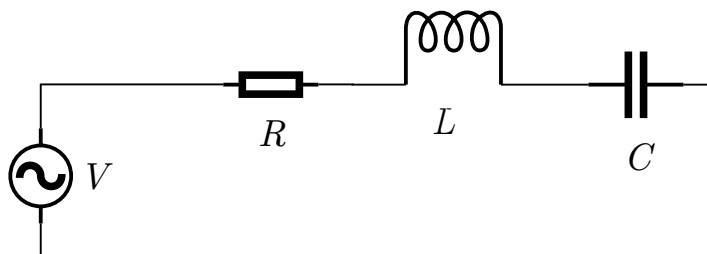


Figure 1

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Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	12064655
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	EDSON ORLANDONAVARRO RAMIREZ		

Instructions

1. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

Questions

1. In the following RLC series circuit, $R = 70\ \Omega$, $L = 90\ \text{mH}$, $C = 6\ \mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

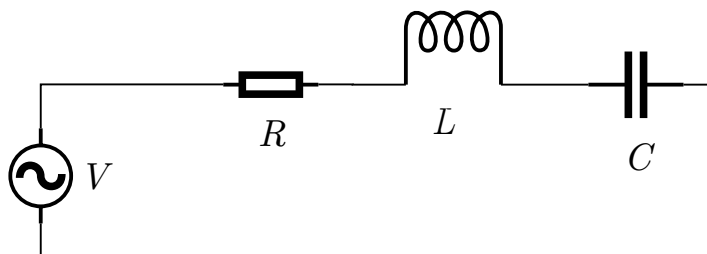


Figure 1

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Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	11126870
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	JUAN GAEL GONZALEZ RODRIGUEZ		

Instructions

1. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

Questions

1. In the following RLC series circuit, $R = 60\ \Omega$, $L = 80\ \text{mH}$, $C = 8\ \mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

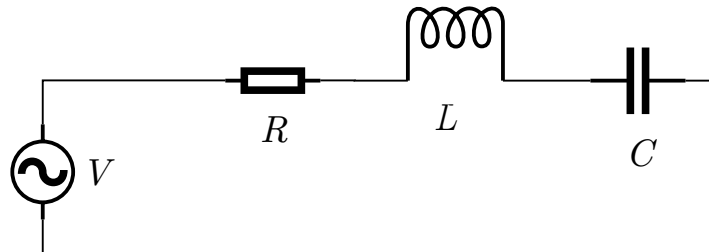


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Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	14155580
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	LUIS ALEJANDRO URBINA GONZALEZ		

Instructions

1. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

Questions

1. In the following RLC series circuit, $R = 60\ \Omega$, $L = 20\ \text{mH}$, $C = 4\ \mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

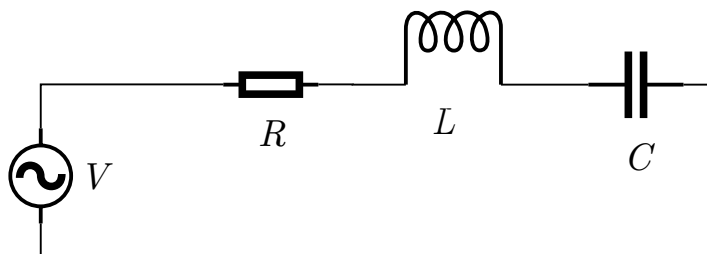


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Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	14629184
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	JOSE WALDO QUINTANA ARANDA		

Instructions

1. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

Questions

1. In the following RLC series circuit, $R = 50\ \Omega$, $L = 30\ \text{mH}$, $C = 5\ \mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

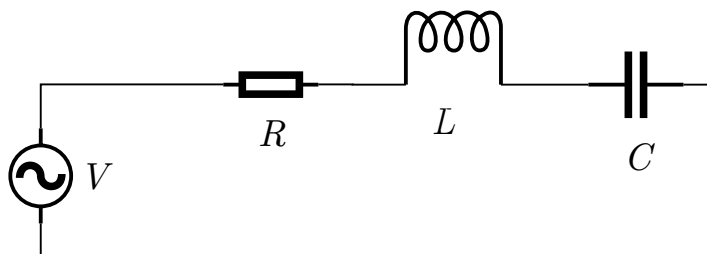


Figure 1

2. Find resonant frequency for the above circuit. (1 point)