

Filename: Homework5.m
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Chapter 2 problems: 27,29,33,35, 37, 40

Problem #27:

A * B

ans =

-47 -78
39 64

B * A

ans =

-5 -3
48 22

Problem #29:

Part a: Quarterly costs matrix (in \$ X 1000):

- rows are Material, Labor, and Transportation
- columns are by Quarter

quarterly_costs =

326.00	346.00	268.00	364.00
188.00	190.00	168.00	214.00
177.00	186.00	160.00	204.00

Part b: Yearly costs vector (in \$ X 1000):

- elements are Material, Labor, and Transportation

yearly_costs =

1304.00	760.00	727.00
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Part c: Total quarterly costs vector (in \$ X 1000):

total_quarter_cost =

691.00	722.00	596.00	782.00
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Problem #33:

M =

869

Problem #35:

area =

21

Problem #37:

Problem #40:

q =

2.8000 -5.1200

r =

-0.0000 0.0000 50.0400 -11.4800

The answer is $2.8x - 5.12$ with a remainder of $50.04x - 11.48$

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