

Exercise 3A - 68K Instruction Set I

Due Oct 28 at 11:59pm**Points** 5**Questions** 10**Time Limit** None**Allowed Attempts** 3[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
KEPT	Attempt 2	12 minutes	4 out of 5
LATEST	Attempt 2	12 minutes	4 out of 5
	Attempt 1	61 minutes	2 out of 5

⚠️ Answers will be shown after your last attempt

Score for this attempt: **4** out of 5

Submitted Oct 25 at 1:08pm

This attempt took 12 minutes.

Question 1

0.5 / 0.5 pts

1. Initially, <D2> = \$025C30F7. After the following instruction is executed,

ADDI.B #\$10,D2

1) what's the value of D2?

☒ 025C3007

☐ 025C3107

☐ 025C0107

☐ 00000007

Question 2

0.5 / 0.5 pts

2) From the above question, what is XNZVC?

☐ 00001

☐ 10101

☒ 10001

☐ 10000

Question 3

0.5 / 0.5 pts

2. Initially, <D2> = \$025C30F7. After the following instruction is executed, ADDI.W #\$10,D2

1) what's the value of D2?

☐ 025C0107

☒ 025C3107

☐ 025C3007

☐ 00000007

Incorrect**Question 4****0 / 0.5 pts**

2) From the above question, what is XNZVC?

☒ 10001☐ 01000☐ 00001☐ 00000**Question 5****0.5 / 0.5 pts**

3. D0 contains the value, \$3456ABCF:

1) What is the value of D0 after the following instruction?
ASL.W #3,D0

☒ 34565E78☐ A2B55E78☐ 34565E79☐ 34B55E78**Question 6****0.5 / 0.5 pts**

2) From the above question, what is XNZVC?

☒ 10011☐ 10010☐ 10001☐ 00011**Question 7****0.5 / 0.5 pts**

4. D0 contains the value, \$3456ABCF:

1) What is the value of D0 after the following instruction?

ASR.W #3,D0

☒ 3456F579☐ A2B55E78☐ 34565E78☐ 068AD579**Incorrect****Question 8****0 / 0.5 pts**

2) From the above question, what is XNZVC?

☐ 11101☐ 10001☐ 11001

☒ 10011

Question 9**0.5 / 0.5 pts**

5. D0 contains the value, \$3456CBCF

1) What is the content of D0 after the following instruction?

ROL.W #3,D0

☒ 34565E7E

☐ 34565E78

☐ B4565E7E

☐ 3456F579

Question 10**0.5 / 0.5 pts**

2) From the above question, what is XNZVC?

☐ 10001

☐ ?0010

☐ ?000?

☒ ?0000

Quiz Score: 4 out of 5