

AVTEC Building Maintenance and Construction



SECTION 1 – Applied Construction Math

Topic 0- Intro

Lecture: 0.25 Sim/Exercise: 0.0hr(s)

LEARNING OBJECTIVES	TRAINING MATERIAL REQUIRED
<p>Upon successful completion of this topic the trainee will be able to:</p> <ol style="list-style-type: none">1. Be familiar with AVTEC policies2. Describe the contents of the unit and understand objectives	<p>A. Reference Materials:</p> <p>B. Instructor Training Aids:</p> <ol style="list-style-type: none">1. White boards and markers2. Power Point Presentation and Monitor <p>C. Student Training Aids:</p> <ol style="list-style-type: none">1. Handouts
LEARNING OBJECTIVES	TRAINING MATERIAL REQUIRED

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SECTION 1 – Applied Construction Math

Topic 0- Intro

Lecture: 0.25 Sim/Exercise: 0.0hr(s)

Upon successful completion of this topic the trainee will be able to:

1. Apply the fundamentals of math including addition, subtraction, multiplication, and division

A. Reference Materials:

1. AVTEC Applied Construction Math Power Points
2. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor

C. Student Training Aids:

2. Online Handouts

LEARNING OBJECTIVES

TRAINING MATERIAL REQUIRED

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SECTION 1 – Applied Construction Math

Topic 0- Intro

Lecture: 0.25 Sim/Exercise: 0.0hr(s)

Upon successful completion of this topic the trainee will be able to:

2. Compute areas and volumes of 2 and 3 dimensional shapes common to construction

A. Reference Materials:

3. AVTEC Applied Construction Math Power Points
4. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor

C. Student Training Aids:

3. Online Handouts

LEARNING OBJECTIVES

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SECTION 1 – Applied Construction Math

Topic 0- Intro

Lecture: 0.25 Sim/Exercise: 0.0hr(s)

Upon successful completion of this topic the trainee will be able to:

3. Explain the relationship between the 3 trigonometric functions

A. Reference Materials:

5. AVTEC Applied Construction Math Power Points
6. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor

C. Student Training Aids:

4. Online Handouts

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SECTION 1 – Applied Construction Math

Topic 0- Intro

Lecture: 0.25 Sim/Exercise: 0.0hr(s)

Upon successful completion of this topic the trainee will be able to:

1. Describe and operate the Construction Master calculator

A. Reference Materials:

7. AVTEC Applied Construction Math Power Points
8. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor

C. Student Training Aids:

5. Handouts

LEARNING OBJECTIVES

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SECTION 1 – Applied Construction Math

Topic 0- Intro

Lecture: 0.25 Sim/Exercise: 0.0hr(s)

Upon successful completion of this topic the trainee will be able to:

2. Demonstrate the trigonometry functions relating to construction based triangles

A. Reference Materials:

9. AVTEC Applied Construction Math Power Points
10. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor

C. Student Training Aids:

6. Handouts

LEARNING OBJECTIVES

TRAINING MATERIAL REQUIRED

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SECTION 1 – Applied Construction Math

Topic 0- Intro

Lecture: 0.25 Sim/Exercise: 0.0hr(s)

Upon successful completion of this topic the trainee will be able to:

3. Describe and operate the Construction Master calculator

A. Reference Materials:

11. AVTEC Applied Construction Math Power Points
12. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor

C. Student Training Aids:

7. Online Handouts

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Topic 0- Intro

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Upon successful completion of this topic the trainee will be able to:

4. Calculate materials quantities

A. Reference Materials:

13. AVTEC Applied Construction Math Power Points
14. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor

C. Student Training Aids:

8. Handouts

LEARNING OBJECTIVES

TRAINING MATERIAL REQUIRED

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SECTION 1 – Applied Construction Math

Topic 0- Intro

Lecture: 0.25 Sim/Exercise: 0.0hr(s)

Upon successful completion of this topic the trainee will be able to:

5. Describe and operate the Construction Master calculator

A. Reference Materials:

15. AVTEC Applied Construction Math Power Points
16. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor

C. Student Training Aids:

9. Online Handouts

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Lecture: 0.25 Sim/Exercise: 0.0hr(s)

Upon successful completion of this topic the trainee will be able to:

6. Apply the fundamentals of math including addition, subtraction, multiplication, and division
7. Compute areas and volumes of 2 and 3 dimensional shapes common to construction
8. Explain the relationship between the 3 trigonometric functions
9. Demonstrate the trigonometry functions relating to construction based triangles.
10. Calculate materials quantities
11. Describe and operate the Construction Master calculator

A. Reference Materials:

17. AVTEC Applied Construction Math Power Points
18. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor

C. Student Training Aids:

10. Handouts

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TRAINING MATERIAL REQUIRED

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SECTION 1 – Applied Construction Math

Topic 0- Intro

Lecture: 0.25 Sim/Exercise: 0.0hr(s)

Upon successful completion of this topic the trainee will be able to:

12. Apply the fundamentals of math including addition, subtraction, multiplication, and division
13. Compute areas and volumes of 2 and 3 dimensional shapes common to construction
14. Explain the relationship between the 3 trigonometric functions
15. Demonstrate the trigonometry functions relating to construction based triangles.
16. Calculate materials quantities
17. Describe and operate the Construction Master calculator

A. Reference Materials:

19. AVTEC Applied Construction Math Power Points
20. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor

C. Student Training Aids:

11. Handouts