

**Pro-Vision Academy Charter School**  
**High School Math Distance Learning Plan**

**High School Math**  
**Distance Learning Plan**  
**Week of April 20 - 24, 2020**

**Geometry**  
**(Suggested: 90 minutes of off-line activities)**  
**Please contact Mr. Tabernilla with any questions at [atabernilla@pvacademy.org](mailto:atabernilla@pvacademy.org)**

**Monday**

( Show your solutions )

Solve the following Two-Step Equations:

a)  $3x - 2 = 4$

b)  $-7x + 5 = -9$

c)  $x / 9 + 2 = -7$

**Tuesday**

( Show your solutions )

Solve the following Multi-Step Equations:

a)  $3(x + 1) = 12$

b)  $3w + 6 - 9w = 24$

c)  $5y + 2(y + 1) = 23$

**Wednesday**

( Show your solutions )

The Formula of Area of a Rectangle :  $A = ( l ) ( w )$

The Formula of Perimeter P for Rectangle :  $P = 2 l + 2 w$

- a) If one side of a Basketball Court is 8 ft and the other side is 5.6 ft Find Area (A) = ?  
b) If one side of a Gymnasium is 20 m and the other side is 15 m Find Perimeter (P) = ?  
c) If one side of a Refrigerator is 6.3 ft and the other side is 3 ft Find Area (A) = ?

**Thursday**

( Show your solutions )

- 1) Error Analysis : Describe and correct the error made in finding the Area ( A ) of a

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Rectangle with a Length (  $l$  ) of 9 feet and a Width (  $w$  ) of 52 feet.

$$A = 9 \text{ ft} + 52 \text{ ft} = 61 \text{ ft} \quad \text{wrong answer !}$$

- 2) Error Analysis : Describe and correct the error made in finding the Perimeter (  $P$  ) of a Rectangle with a Length (  $l$  ) of 20 feet and a Width (  $w$  ) of 10 feet.

$$A = ( 2 + 20 ) + ( 2 + 10 ) = 34 \text{ ft} \quad \text{wrong answer !}$$

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**Algebra 2**

(Suggested: 90 minutes of off-line activities)

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**Monday**

( Show your solutions ) :

Solving Two-Step and Multi-Step Equations :

a)  $-4x + 7 = 11$       b)  $17 = 5y - 3$       c)  $-4 = 2w + 10$

**Tuesday**

( Show your solutions ) :

Solving Two-Step and Multi-Step Equations :

a) If  $3x - 8 = -2$ , find the value of  $x - 6$       b) If  $-2(3y + 5) = -4$ , find the value of  $5y$

**Wednesday**

Solve each Proportions :

a)  $3x / 10 = 1/2$       b)  $3 / 12 = -24 / m$       c)  $32 / 4 = y + 4 / 3$

**Thursday**

( Show your solutions ) :

The formula for addition and subtraction of a Matrices :

$$A = \begin{bmatrix} a_1 & a_2 \\ a_3 & a_4 \end{bmatrix} \quad B = \begin{bmatrix} b_1 & b_2 \\ b_3 & b_4 \end{bmatrix} ; \quad A + B = \begin{bmatrix} a_1 & a_2 \\ a_3 & a_4 \end{bmatrix} + \begin{bmatrix} b_1 & b_2 \\ b_3 & b_4 \end{bmatrix} = \begin{bmatrix} a_1 + b_1 & a_2 + b_2 \\ a_3 + b_3 & a_4 + b_4 \end{bmatrix}$$

$$A = \begin{bmatrix} a_1 & a_2 \\ a_3 & a_4 \end{bmatrix} \quad B = \begin{bmatrix} b_1 & b_2 \\ b_3 & b_4 \end{bmatrix} ; \quad A - B = \begin{bmatrix} a_1 & a_2 \\ a_3 & a_4 \end{bmatrix} - \begin{bmatrix} b_1 & b_2 \\ b_3 & b_4 \end{bmatrix} = \begin{bmatrix} a_1 - b_1 & a_2 - b_2 \\ a_3 - b_3 & a_4 - b_4 \end{bmatrix}$$

1) Find each Matrix sum.

2) Find each Matrix difference.

a)  $A = \begin{bmatrix} 2 & 2 \\ -1 & 6 \end{bmatrix} + B = \begin{bmatrix} 4 & -1 \\ 0 & 5 \end{bmatrix}$

c)  $A = \begin{bmatrix} 7 & 2 \\ -1 & 6 \end{bmatrix} - B = \begin{bmatrix} -4 & -1 \\ 0 & 5 \end{bmatrix}$

b)  $A = \begin{bmatrix} 7 & -4 \\ 5 & 9 \end{bmatrix} + B = \begin{bmatrix} -3 & -2 \\ 5 & -3 \end{bmatrix}$

d)  $A = \begin{bmatrix} 12 & 5 \\ -1 & 16 \end{bmatrix} - B = \begin{bmatrix} 7 & -4 \\ 2 & 6 \end{bmatrix}$

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**Pre-Calculus**

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**Monday**

( Show your solutions ) :

Evaluate the expressions when  $x = 16$  and  $y = -3$

a)  $5x + 6y^3$       b)  $16x + 11y$       c)  $2x + y^2$       d)  $x^2 + 4y$

**Tuesday**

( Show your solutions ) :

1. What is the solution of the  $4x + 15 = 7x - 3$  ?

a) -6      b) -4      c) 4      d) 6

2. What is the solution of the  $\frac{4}{5}x + 8 = 20$  ?

a) 10      b) -15      c) 20      d) 15

**Wednesday**

(Show your solutions)

Simplify the following equations :

a)  $\frac{15}{4} = \frac{9}{2}x$       b)  $\frac{3}{4} = \frac{x}{x+3}$       c)  $\frac{2}{9} = \frac{3}{y}$

**Thursday**

( Show your solutions)

Find the next sixth terms in each Sequences:

1. 125, 250, 375, 500..
2. -5, -10, -20, - 40....
3. 7, 56, 448, 3584...

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**Algebra I**  
**Reading and Writing Activities**  
**(Suggested: 90 minutes of off-line activities)**

**Monday**

**Math Review**

Complete the attached assignment for “Monday Only”

**#1-8**

**Tuesday**

**Math Review**

Complete the attached assignment for “Tuesday Only”

**#12-17**

**Wednesday**

**Math Review**

Complete the attached assignment for “Wednesday”

**#18-26**

**Thursday**

**Math Review**

Complete attached assignment for “Thursday”

**#27-32**

**Friday**

**SUBMIT ALL LATE or INCOMPLETE ASSIGNMENTS**

**Last day to submit!!!!**

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**High School Math Distance Learning Plan**

**Business Distance Learning Plan**  
**Week of April 20 - 24, 2020**

**Reading and Writing Activities**  
**(Suggested: 90 minutes of off-line activities)**

**Virtual Business**

Business Management and Administration

<b>Lesson/Unit Title</b>	Setting Up Shop
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**TEKS: 130.141. (c) Knowledge and Skills**

**Define the following key terms;**

- Customer
- Cloud Computing
- Market Research
  
- Virtual Office
  
- Virtual Assistant
  
- Demographic
  
- Target Market
  
- Segment
  
- Demand
  
- Market Share
  
- Expense
  
- Budget
  
- Declining Budget

# Pro-Vision Academy Charter School

## High School Math Distance Learning Plan

- Percentages
- Technology

### Setting Up Shop

#### Independent Practice Assignments

- **Floor Plan Diagram Assignment #1** – Students will create a floor plan diagram of what their office would look like if they were beginning an online business, knowing that more than just a laptop may be required. Students should also list somewhere on the diagram the software they would like to have to use in their business.
- **Virtual Assistant Job Description Newsletter Assignment #2** – Students will research on the Internet to locate three different job descriptions from different companies' job openings for a 'virtual assistant' and create a newsletter summarizing their findings. They will create a one-page, two-column newsletter that is attractive, easy to read, with separate sections for the definition of a virtual assistant and the three job descriptions. Each section should be identified with separate paragraph headings or subtitles that add creativity to the document.

**Power Point Only!!!!!!**

#### Resources:

- [Learning E-Commerce: Business Analysis and Design](#), Nancy Stevenson, DDC Publishing
- [Start Your Own E-Business](#), *Entrepreneur Magazine*, Entrepreneur Press
- <http://www.sba.gov/content/starting-online-business>  
<http://imedia.sba.gov/vd/media1/training/YoungEntrepreneurs/player.html>

**DUE: Friday 4/17/2020**

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**College Level Math**  
**Distance Learning Plan**  
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Reading and Writing Activities  
(Suggested: 90 minutes of off-line activities)

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#1-8

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#12-17

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Complete the attached assignment for "Wednesday"  
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Math Review  
Complete attached assignment for "Thursday"  
#27-32

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