Pro-Vision Academy Charter School

High School Math Distance Learning Plan

High School Math
Distance Learning Plan
Week of May 4 - 8, 2020

Geometry

Monday

(Show your solutions)

Simplify the following equations :

a) $8x + 2x = 32$ b) $5y + 9 = 24$ c) $w / 2 + 5 = 11$ d) $2 m + 7 m = 54$

Tuesday

(Show your solutions)

Describe and correct the error in solving the equations:

a) $x + 3.8 = 2.3$

$x + 3.8 - 3.8 = 2.3 + 3.8$

$x = 6.1$ wrong answer

b) $y – 7 = 10$

$y – 7 + 7 = 10 - 7$

$y = 3$ wrong answer

c) $w - 11 = - 5$

$w – 11 + 11 = - 5 - 11$

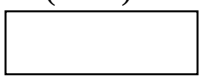
$w = -16$ wrong answer

Wednesday

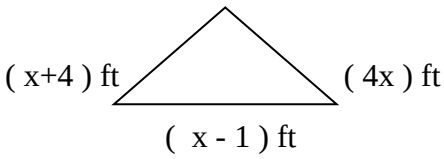
(Show your solutions)

Perimeter means Total Distance around the Figure:

a) Find the value of x for the Rectangle having a Perimeter = 26 m ?



b) Find the value of x for the Triangle having a Perimeter of 24 ft ?



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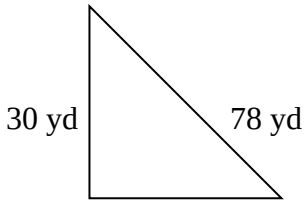
Thursday

(Show your solutions)

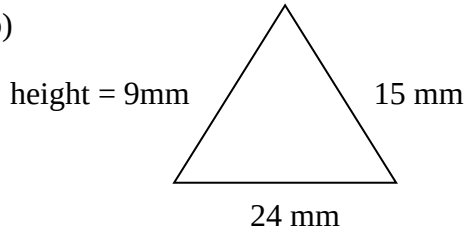
The Formula of the Area of a Triangle : $A = \frac{1}{2} base \ x \ height$

Find the Area of the Triangle.

a)



b)



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Algebra II

Monday

(Show your solutions) :

Solve the following Equations :

a) – 4w + 7 = 11 b) 17 = 5v -3 c) - 4 = 2m + 10 d) 12.5 = 2x -3.5

Tuesday

(Show your solutions)

Solve the following Equations :

Describe and correct the error in solving the equations:

a) $1/2 (2 w - 10) = 4$

$2 w - 10 = 2$

$2 w = 12$

w = 6 wrong answer

b) $5 z - 3 (z - 6) = 2$

$5 z – 3 z - 18 = 2$

$2 z = 20$

z = 20 wrong answer

Wednesday

(Show your solutions) :

Evaluate each expression when v = 5, x = 3, a = 7 and b = 5

a) $(v + 1) (v^2 - v + 1)$ b) $(2 v)^2 + ab – 3 x$ c) $v^2 - (x^3 - 4b)$

Thursday

(Show your solutions) :

Guided Solution : $\sqrt{x+3} = 3$ $(\sqrt{x+3})^2 = (3)^2$ $x + 3 = 9$

$X + 3 - 3 = 9 - 3$ $x = 6$

Simplify the following Rational Equations:

1) $\sqrt{x} - 9 = - 1$ 2) $\sqrt{x-3} = 4$ 3) $\sqrt{2x+7} = 3$

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Precalculus

Monday

(Show your solutions) :

Solve the following Equations :

a) 3 (x + 1) = 12 b) 3 w + 6 – p w = 24 c) 4y -10y -9 = - 3

Tuesday

(Show your solutions) :

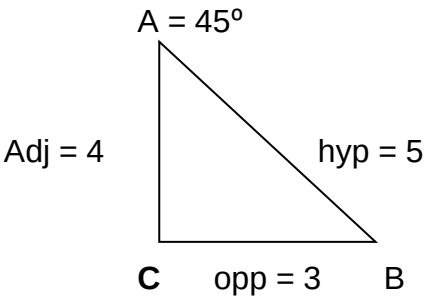
Solve the following Multi-Step Equations:
Describe and correct the error in solving the equations:

a) 3 / 7 x + 2 = 17
3 / 7 x = 15
X = 15 – 3 / 7
X = 14 3 / 7 wrong answer

b) 4 / 5 x + 8 = 20
4/ 5 x = 12
x = 12 – 4 / 5
x = 11 4 / 5 wrong answer

Wednesday

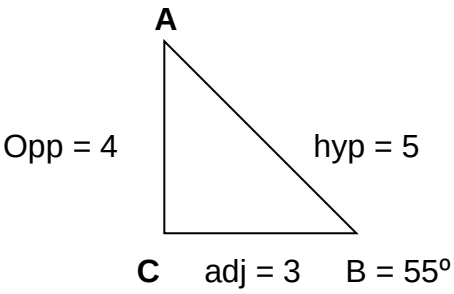
(Show your solutions) :



1) Find the Trigonometric Functions of Sin 45º ?
2) Find the Trigonometric Functions of Cos 45º ?
3) Find the of Trigonometric Functions Tan 45º ?

Thursday

(Show your Solutions)



1) Find the Trigonometric Functions of Sin 55º ?
2) Find the Trigonometric Functions of Cos 55º ?
3) Find the Trigonometric Function of Tan 55 º ?