

## Course Review #2

Please try all questions, before watching the video solutions. The questions are available in pdf format on my website.

Stop and pause the video as required, these are solutions, not lessons, so I will be going a little faster than normal.

A new surf board is on sale for 30% off the regular price of \$820.00

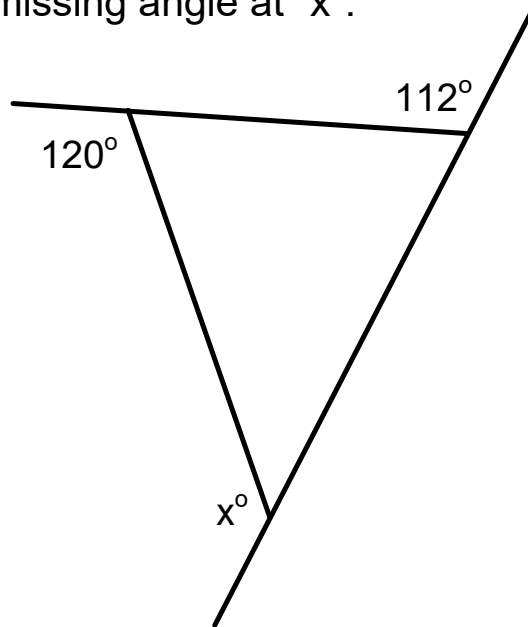
What is the final price I have to pay before I can go surfing? (Ontario HST 13%)

A traffic monitoring station counted 200 cars, 158 trucks and 530 SUV went through an intersection. What percentage was trucks?

Find the equation of the line that is perpendicular to  $2x + y = -9$  and has the same x intercept as  $y = 5x - 20$

A line passes through  $A(-4,9)$  and  $B(2,-15)$ ,  
what is the equation of the line?

Find the missing angle at "x".



Fill in the missing values, what is the "initial" value?

X	Y
	9
2	13
3	
4	17

Which of the following are linear relations:

(a)  $y = 3x$

(b)  $4x + y = 9$

(c)  $y = 4x^2 + 6$

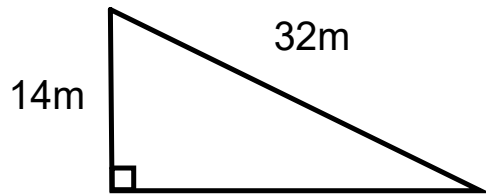
(d)  $y^2 = 5x - 3$



Expand

$$2x^3(5x^2 + 2x - 8)$$

Determine the perimeter and area.



Find the "initial value" (y intercept, flat fee, starting value) for the following:

Bob earned \$160 for an 8 hour day's work; he is paid \$9/hr.

The following square and triangle have the SAME perimeter. Determine "x".

