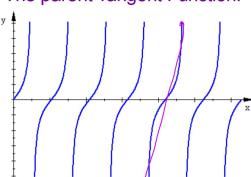
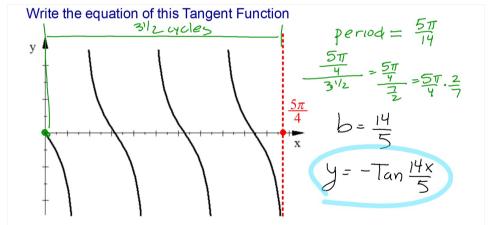
The parent Tangent Function: y = Tanx



Period =
$$\pi$$

Partent Function Graph moves up and to the right

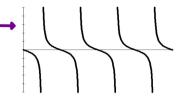


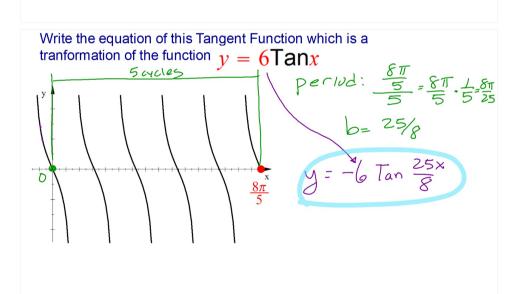
$$y = aTan(bx)$$

a: If a<0 there is an x-axis reflection -



$$b = \frac{\pi}{\text{period}}$$





Find three VA and three x-intercepts for this Tangent Function: y = -4 Tan 7x y = -4 Tan 7x x = -4 Tan 7x

You can now complete Homework #12

Sec 13-6

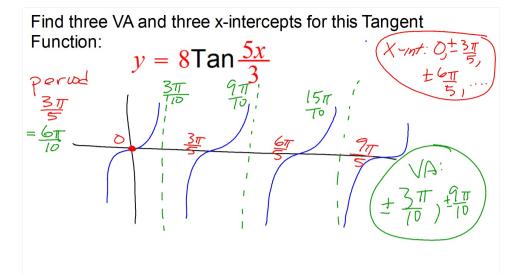
Due tomorrow

Page 752

Problems 9,10, 12, 13, 23,24, 39,40

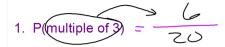
Just find the period

Find the period, 2 VA, and 2 x-int



Month	Average High Temp °F	lie-
Jan → 1	31 Min	* * \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Feb → 2	35	Amp = 83-3 = 26
March → 3	44	
April → 4	57	michine
May → 5	69	J
June → 6	78	
July → 7	83 Max	COS START PER 12 = T
Aug → 8	80	COS START ===================================
Sept → 9	73	a let
Oct → 10	60	(05 phase shift -> IRT
Nov → 11	48	Sin phase shift -> 4 RT
Dec → 12	36	$y = 26 \cos(\frac{\pi}{6}(x-1)) + 57$
		y = 26 Sin (= (x-4)) +57
		J - 5317 (\$(x-4)) +27

The numbers from 1 to 20 are in a bag. You will randomly pull out a number. Give each probability as a fraction without reducing.



3. P(Even and multiple of 3)



2. P(factor of 36) =
$$\frac{8}{20}$$



4. P(Prime #@multiple of 5) = 20

In your refrigerator are the following drinks: 8 bottles of water, 5 bottles of Coke, and 7 bottles of Gatorade.

Find each probability as a fraction without reducing.

1. You randomly grab a bottle and drink it then randomly grab another one, etc.

P(Coke then Gatorade then Coke) =

$$\frac{5}{20} \cdot \frac{7}{19} \cdot \frac{4}{18} = \frac{140}{6840}$$

2. You randomly grab a bottle, look at it and decide that's not the kind you want, return it and randomly grab another one, etc.

P(water then water then Gatorade) =

$$\frac{8}{20} \cdot \frac{8}{7} = \frac{7}{20} = \frac{448}{800}$$