Geometry

Name_____ ID: 1

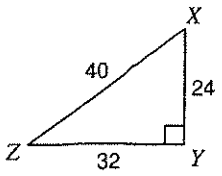
Tangent Ratio Worksheet

Date_____ Period____

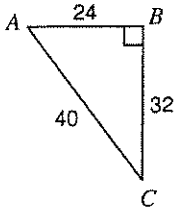
© 2012 Kuta Software LLC. All rights reserved.

Find the value of each trigonometric ratio.

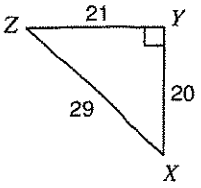
1) tan Z



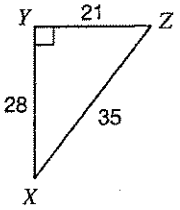
2) tan A



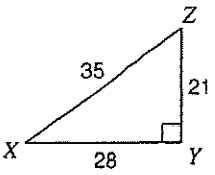
3) tan X



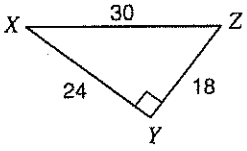
4) tan Z



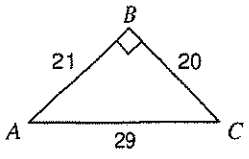
5) tan X



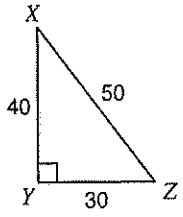
6) tan Z



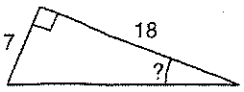
7) tan A



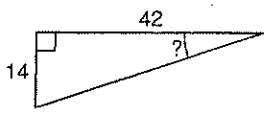
8) tan Z



19)

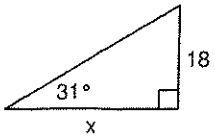


20)

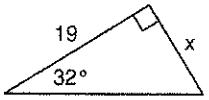


Find the missing side. Round to the nearest tenth.

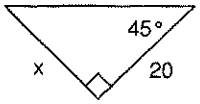
21)



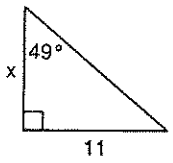
22)



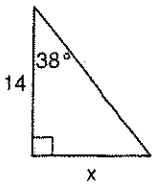
23)



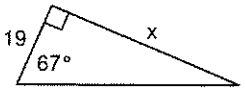
24)



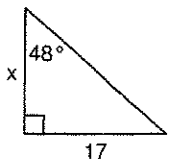
25)



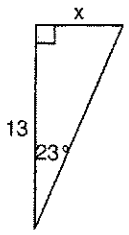
26)



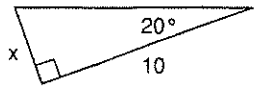
27)



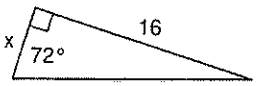
28)



29)



30)

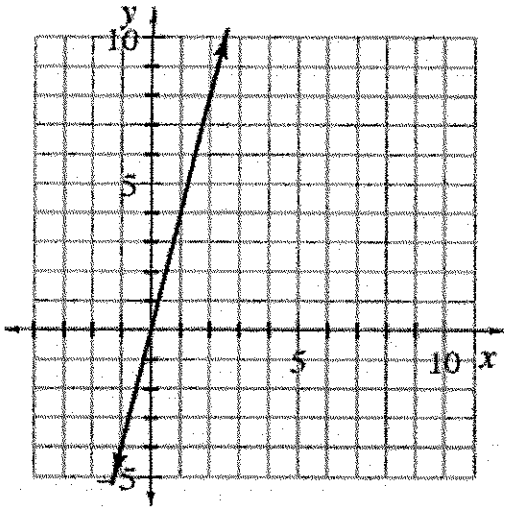


Name: _____ Period: 1 2 3 4 5 6 7 8

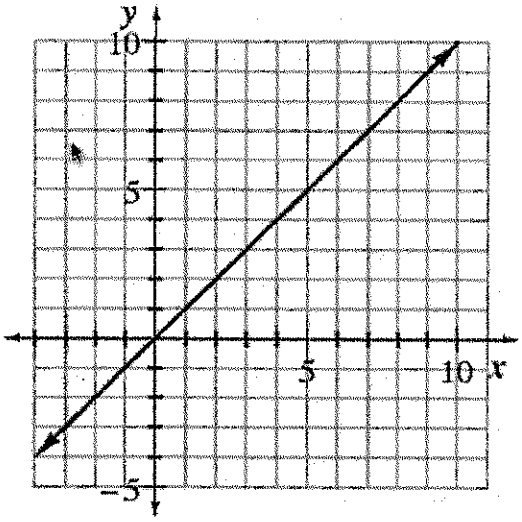
Geometry Ch 4 Extra Practice

For each line, draw in several slope triangles. Then calculate the slope ratios.

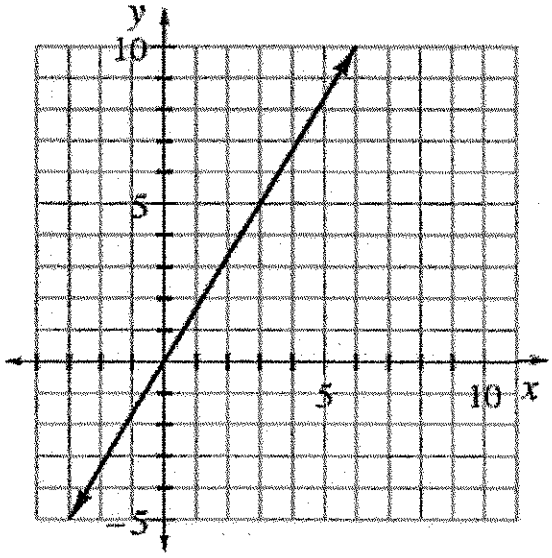
1.



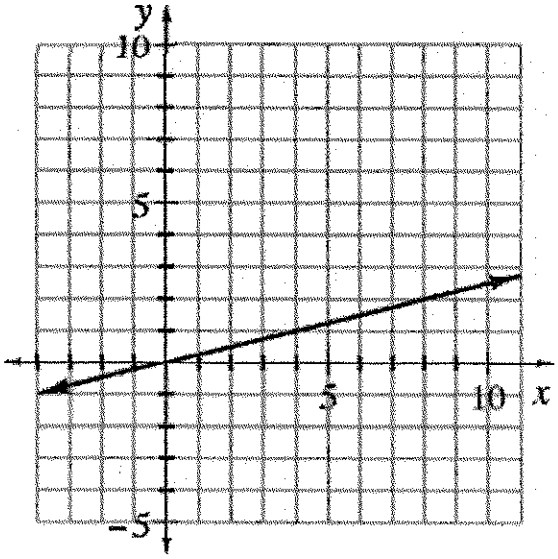
2.



3.

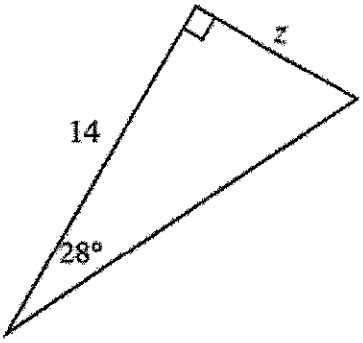


4.

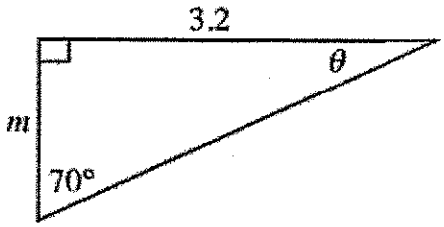


Calculate the measures of the variables. It may be helpful to rotate the triangle so that it resembles a slope triangle. If you write a tangent equation, use the tangent button on your calculator not your Trig Toolkit to solve. Note: Some calculations require the Pythagorean Theorem.

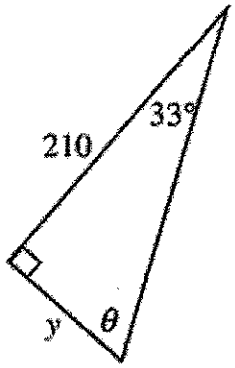
5.



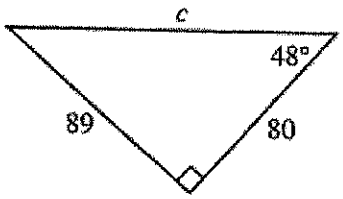
6.



7.

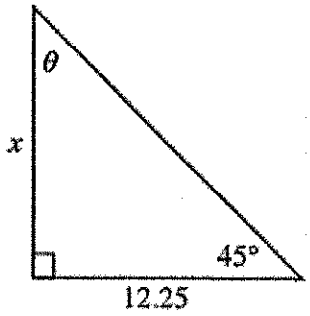


8.



Careful!

9.



10.