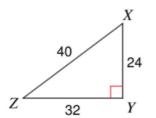
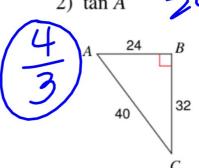
Find the tangent ratio of each angle given.

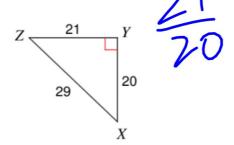
1) tan *Z*



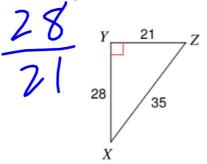
2) tan *A*

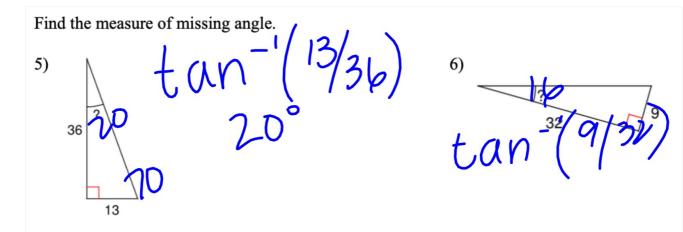


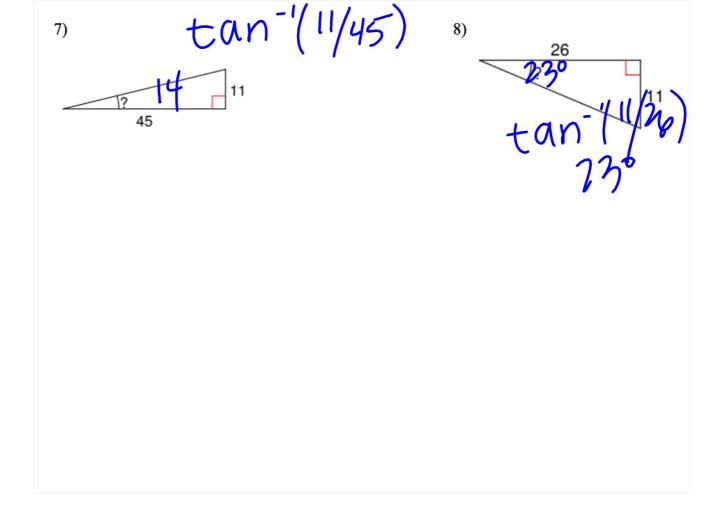
3) tan *X*



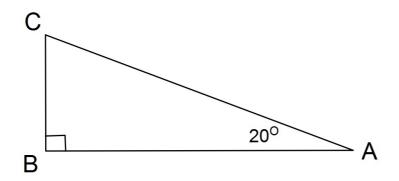
4) tan *Z*



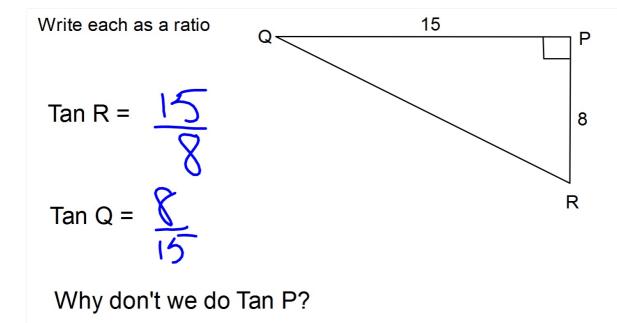




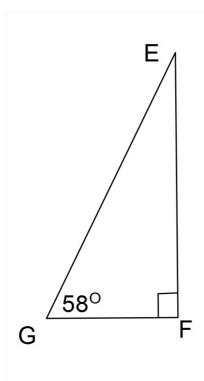
Sec 8-3: The Tangent Ratio



$$Tan \angle A = \frac{BC}{AB} = \frac{Leg \text{ opposite Angle A}}{Leg \text{ adjacent to Angle A}}$$



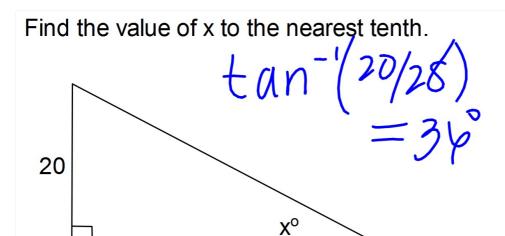
Why don't we do Tan P?



Find each to the nearest hundredth.

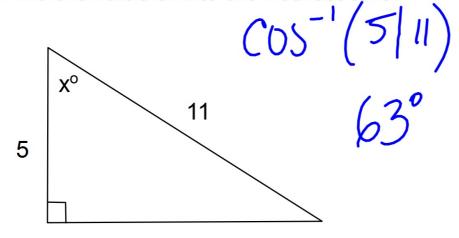
If
$$TanX = 0.45$$
 how would you find x?

$$X = Tan^{-1}(0.45) = 24^{\circ}$$

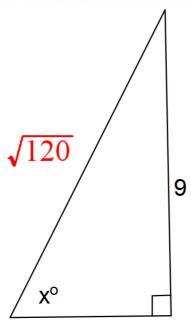


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Find the value of x to the nearest tenth.



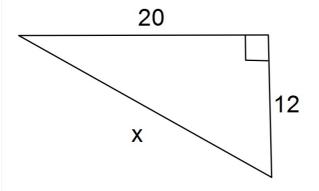
Find the value of x to the nearest tenth.



51n⁻¹(9/1120)

Find the length of the third side in simplified

radical form.



n simplified Quiz Review
$$20^{2}+12^{2}=X^{2}$$
 $4100+144=X^{2}$ $544=X^{2}$ $1600+1600$ 1600 160

Find the third number in the Pythagorean

Triple:

 $C^{2} = 73^{2} + 55^{2}$ $73^{2} = \alpha^{2} + 55^{2}$

Is each triangle Right, Acute, or Obtuse?

2. 26, 32, 43 1849 > 1700 NOTUSE

Classwork:
8.1-8.2 Review Worksheet
IXL #9 - Q.1 & Q.4 due tomorrow by 4pm!