Name: Key

Quiz Review

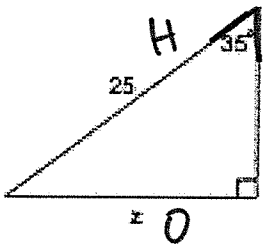
QUIZ IS FRIDAY FEBRUARY 22

Find the values of the Trigonometric function:

1. Sin(65*) = 0.91 2. Tan(48*) = 1.11 3. Cos(80*) = 0.17

Find the side indicated by the variable:

4. z = 14.34



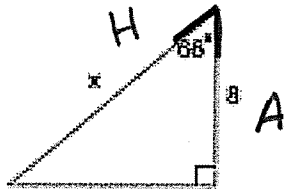
SOHCAHTOA

$\sin 35^\circ = \frac{O}{H} = \frac{z}{25}$

$0.57 = \frac{z}{25}$

$z = 14.34$

5. x = 19.5



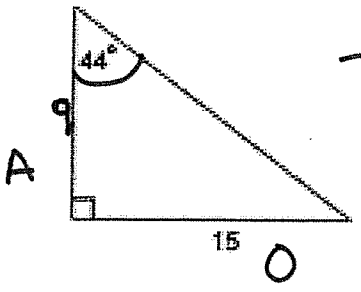
SOHCAHTOA

$\cos 66 = \frac{8}{x}$

$0.41 = \frac{8}{x}$

$x = 19.5$

6. q = 15.53



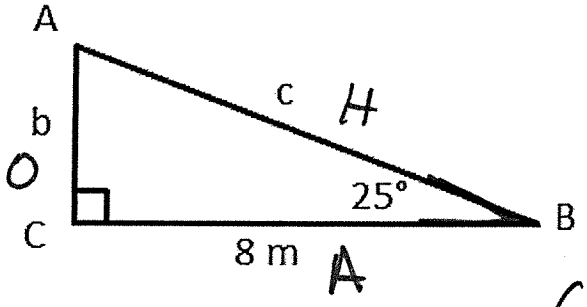
SOHCAHTOA

$\tan 44^\circ = \frac{15}{q}$

$0.97 = \frac{15}{q}$

$q = 15.53$

7. b = 3.73 c = 8.82



$\tan 25^\circ = \frac{b}{8}$

$0.47 = \frac{b}{8}$

$b = 3.73$

$\cos 25^\circ = \frac{8}{c}$

$0.91 = \frac{8}{c}$

$c = 8.82$

Find the value of the angle:

8. Sin E = 0.5592

∠E = 34°

9. Cos T = 0.3746

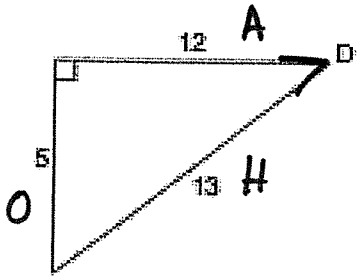
∠T = 68°

10. Tan K = 1.0724

∠K = 47°

Find the measure of the angle indicated by the variable:

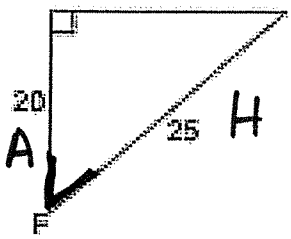
11. m∠D = 22.6°



$\sin D = \frac{5}{13}$

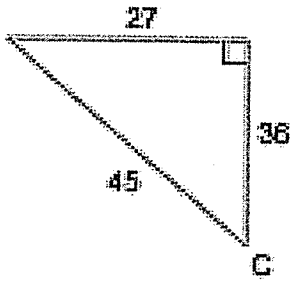
You can pick any Ratio

12. m∠F = 36.9°



$\cos F = \frac{20}{25}$

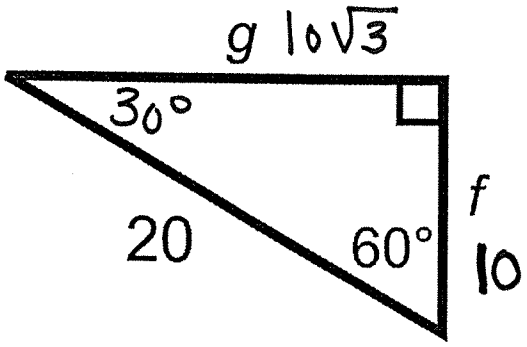
13. m∠C = 36.8°



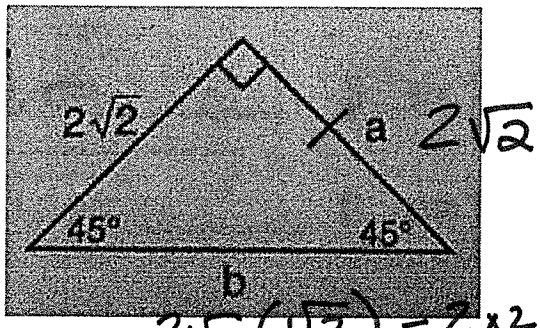
You can pick any Ratio.

Find the missing variables **using special Right Triangles**

14.



15.



$2\sqrt{2}(\sqrt{2}) = 2 \times 2$

$= 4$