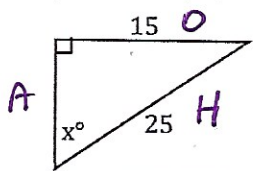


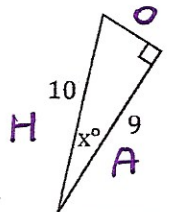
Name: Key (Part 2)

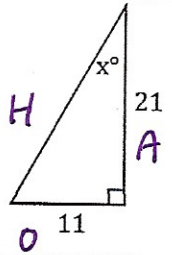
Soh Cah Toa
 $\sin X = \frac{O}{H}$
 $\cos X = \frac{A}{H}$ Class: _____
 $\tan X = \frac{O}{A}$

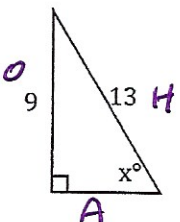
Label each triangle with "O" for opposite, "A" for adjacent, and "H" for hypotenuse. Then find the measure of the angle labeled x.

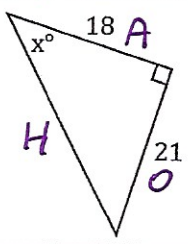
1. Step 1: Label A, O, and H. Step 2: Write out the ratio. Step 3: Plug in and solve.

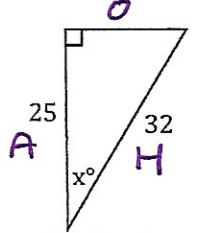
1.  $\sin X = \frac{O}{H}$ $\sin^{-1} \frac{15}{25} = X$ $\sin^{-1} \frac{15}{25} = X$ $\boxed{36.87^\circ} = X$

2.  $\cos X = \frac{A}{H}$ $\cos^{-1} \frac{9}{10} = X$ $\cos^{-1} \frac{9}{10} = X$ $\boxed{25.84^\circ} = X$

3.  $\tan X = \frac{O}{A}$ $\tan^{-1} \frac{11}{21} = X$ $\tan^{-1} \frac{11}{21} = X$ $\boxed{27.65^\circ} = X$

4.  $\sin X = \frac{O}{H}$ $\sin^{-1} \frac{9}{13} = X$ $\sin^{-1} \frac{9}{13} = X$ $\boxed{43.81^\circ} = X$

5.  $\tan X = \frac{O}{A}$ $\tan^{-1} \frac{21}{18} = X$ $\tan X = \frac{21}{18}$ $\boxed{49.40^\circ} = X$

6.  $\cos X = \frac{A}{H}$ $\cos^{-1} \frac{25}{32} = X$ $\cos^{-1} \frac{25}{32} = X$ $\boxed{38.62^\circ} = X$

Bubble all the correct answers from above. Don't bubble incorrect answers.

- 28.37°
 31.59°
 43.81°
 38.62°
 21.34°
 25.87°
 49.4°
 27.65°
 36.87°
 25.48°



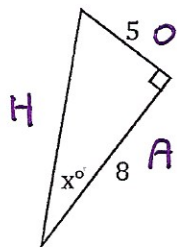
$$\sin X = \frac{O}{H}$$

Soh Cah Toh

$$\cos X = \frac{A}{H}$$

$$\tan X = \frac{O}{A}$$

7.



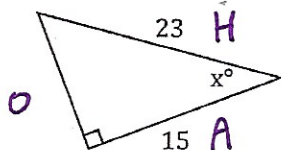
$$\tan X = \frac{O}{A}$$

$$\tan^{-1} \frac{5}{8} = X$$

$$\tan^{-1} \frac{O}{A} = X$$

$$\boxed{32.0^\circ} = X$$

8.



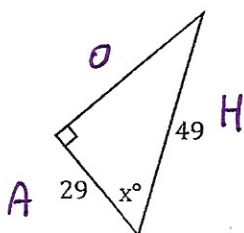
$$\cos X = \frac{A}{H}$$

$$\cos^{-1} \frac{15}{23} = X$$

$$\cos^{-1} \frac{A}{H} = X$$

$$\boxed{49.29^\circ} = X$$

9.



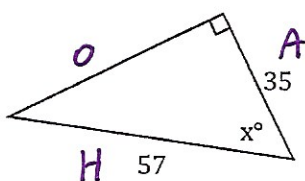
$$\cos X = \frac{A}{H}$$

$$\cos^{-1} \frac{29}{49} = X$$

$$\cos^{-1} \frac{A}{H} = X$$

$$\boxed{53.71^\circ} = X$$

10.



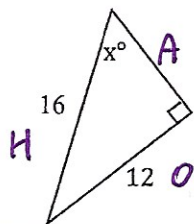
$$\cos X = \frac{A}{H}$$

$$\cos^{-1} \frac{35}{57} = X$$

$$\cos^{-1} \frac{A}{H} = X$$

$$\boxed{52.11^\circ} = X$$

11.



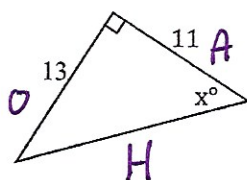
$$\sin X = \frac{O}{H}$$

$$\sin^{-1} \frac{16}{20} = X$$

$$\sin^{-1} \frac{O}{H} = X$$

$$\boxed{48.59^\circ} = X$$

12.



$$\tan X = \frac{O}{A}$$

$$\tan^{-1} \frac{11}{13} = X$$

$$\tan^{-1} \frac{O}{A} = X$$

$$\boxed{49.76^\circ} = X$$

Bubble all the correct answers from above. Don't bubble incorrect answers.

- 48.59° 66.25° 49.76° 52.12° 37.69° 49.29° 47.26° 53.71° 54.87° 32.01°