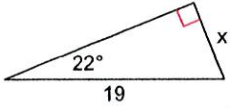


Day 6 Practice - Trig Ratios: Missing Sides

Use SOH CAH TOA to solve for x. Round to the nearest tenth.

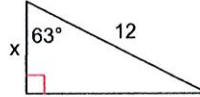
1)



$$\sin(22) = \frac{x}{19}$$

$$x \approx 7.1$$

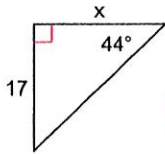
2)



$$\cos(63) = \frac{x}{12}$$

$$x \approx 5.4$$

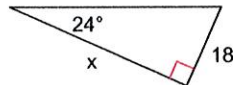
3)



$$\tan(44) = \frac{17}{x}$$

$$x \approx 17.6$$

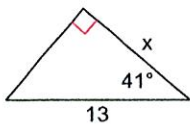
4)



$$\tan(24) = \frac{18}{x}$$

$$x \approx 40.4$$

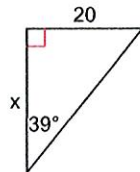
5)



$$\cos(41) = \frac{x}{13}$$

$$x \approx 9.8$$

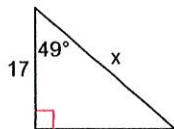
6)



$$\tan(39) = \frac{20}{x}$$

$$x \approx 24.7$$

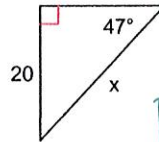
7)



$$\cos(49) = \frac{17}{x}$$

$$x \approx 25.9$$

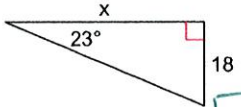
8)



$$\sin(47) = \frac{20}{x}$$

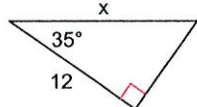
$$x \approx 27.3$$

9) $\tan(23) = \frac{18}{x}$



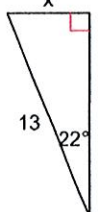
$x \approx 42.4$

10) $\cos(35) = \frac{12}{x}$



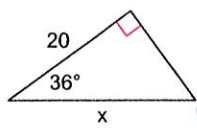
$x \approx 14.6$

11) $\sin(22) = \frac{x}{13}$



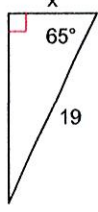
$x \approx 4.9$

12) $\cos(36) = \frac{20}{x}$



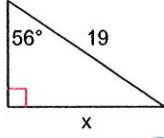
$x \approx 24.7$

13) $\cos(65) = \frac{x}{19}$



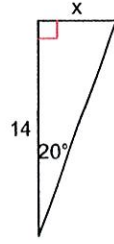
$x \approx 8.0$

14) $\sin(56) = \frac{x}{19}$



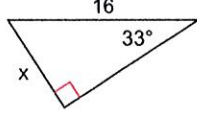
$x \approx 15.8$

15) $\tan(20) = \frac{x}{14}$



$x \approx 5.1$

16) $\sin(33) = \frac{x}{16}$



$x \approx 8.7$