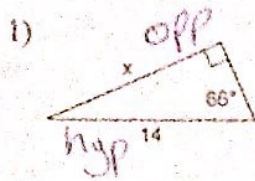


G4: Trig Ratios Extra Practice

Date _____

Period _____

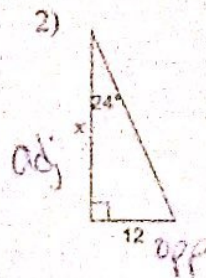
Find the missing side. Round to the nearest ~~cent~~ ^{hundredth}.



$$\sin 66 = \frac{x}{14}$$

$$x = 14 \sin 66$$

$$x \approx 12.79$$

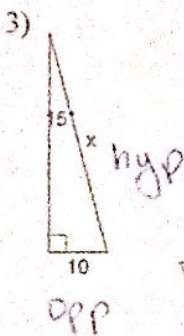


$$\tan 24 = \frac{12}{x}$$

$$x \cdot \tan 24 = \frac{12}{\tan 24}$$

$$x = \frac{12}{\tan 24}$$

$$x \approx 26.95$$

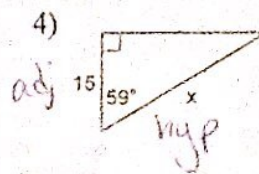


$$\sin 15 = \frac{10}{x}$$

$$\frac{\sin 15 \cdot x}{\sin 15} = \frac{10}{\sin 15}$$

$$x = \frac{10}{\sin 15}$$

$$x \approx 38.64$$

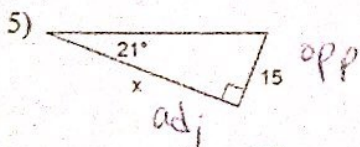


$$\cos 59 = \frac{15}{x}$$

$$x \cdot \cos 59 = \frac{15}{\cos 59}$$

$$x = \frac{15}{\cos 59}$$

$$x \approx 29.12$$

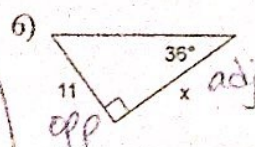


$$\tan 21 = \frac{15}{x}$$

$$\frac{\tan 21 \cdot x}{\tan 21} = \frac{15}{\tan 21}$$

$$x = \frac{15}{\tan 21}$$

$$x \approx 39.08$$

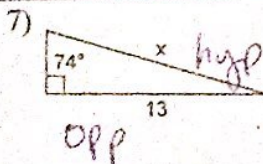


$$\tan 36 = \frac{11}{x}$$

$$x \cdot \tan 36 = \frac{11}{\tan 36}$$

$$x = \frac{11}{\tan 36}$$

$$x \approx 15.14$$

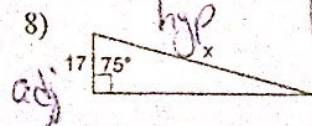


$$\sin 74 = \frac{13}{x}$$

$$\frac{x \cdot \sin 74}{\sin 74} = \frac{13}{\sin 74}$$

$$x = \frac{13}{\sin 74}$$

$$x \approx 13.52$$



$$\cos 75 = \frac{17}{x}$$

$$x \cdot \cos 75 = \frac{17}{\cos 75}$$

$$x = \frac{17}{\cos 75}$$

$$x \approx 65.68$$