

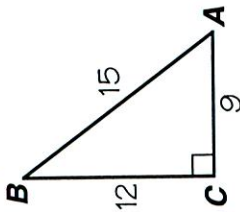
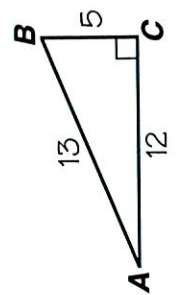


What Did One Mind Reader Say to the Other Mind Reader?

Write the trigonometric ratio. Then write the letter of the correct choice in the box containing the exercise number. If the answer has a \bullet , shade in the box instead of writing a letter in it.

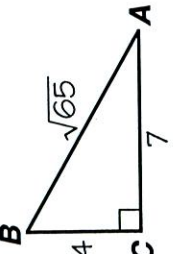
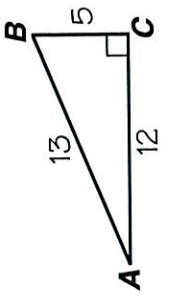
- 1 $\sin A$ **L** $\frac{12}{13}$ **E** $\frac{5}{13}$
 2 $\cos A$ \bullet **V** $\frac{13}{5}$
 3 $\tan A$

- 13** $\sin A$ **I** $\frac{3}{5}$ **O** $\frac{5}{3}$
14 $\cos A$ \bullet **U** $\frac{4}{5}$
15 $\tan A$



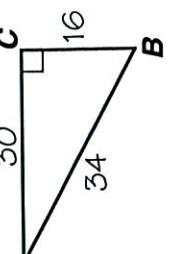
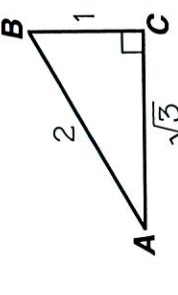
- 4 $\sin B$ **P** $\frac{13}{5}$ **Y** $\frac{5}{13}$
 5 $\cos B$ **W** $\frac{12}{13}$ **E** $\frac{12}{5}$
 6 $\tan B$

- 16** $\sin B$ **N** $\frac{4}{7}$ **R** $\frac{4}{\sqrt{65}}$
17 $\cos B$ **M** $\frac{7}{4}$ **F** $\frac{7}{\sqrt{65}}$
18 $\tan B$



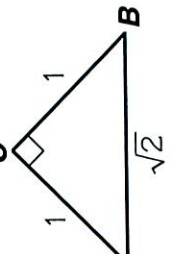
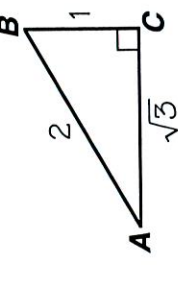
- 7 $\sin A$ **W** $\frac{\sqrt{3}}{2}$ \bullet $\frac{1}{2}$
 8 $\cos A$ **I** $\frac{1}{\sqrt{3}}$ **T** 2
 9 $\tan A$

- 19** $\sin A$ **H** $\frac{15}{17}$ **L** $\frac{8}{17}$
20 $\cos A$ **S** $\frac{17}{8}$ \bullet $\frac{8}{15}$
21 $\tan A$



- 10 $\sin B$ **E** $\sqrt{3}$ \bullet $\frac{1}{2}$
 11 $\cos B$ **A** $\frac{\sqrt{3}}{2}$ **I** $\frac{1}{\sqrt{3}}$
 12 $\tan B$

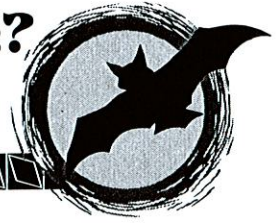
- 22** $\sin A$ **O** $\frac{1}{\sqrt{2}}$ **O** $\frac{1}{\sqrt{2}}$
23 $\cos A$ **E** $\sqrt{2}$ **N** 1
24 $\tan A$



8	12	19	2	15	5	22	13	17	6	3	16	9	24	1	11	20	23	4	7	10	18	21	14
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Who Turns Out the Lights on Halloween?

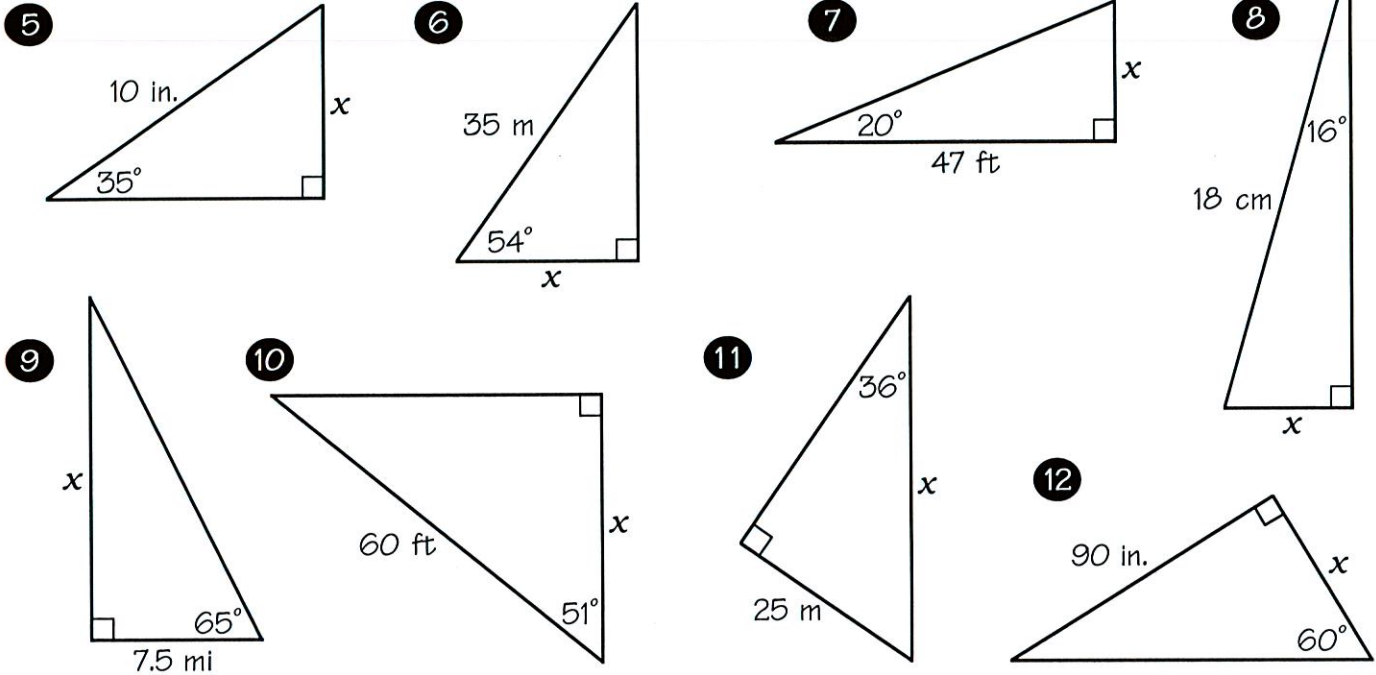
Cross out the letters above each correct answer. When you finish, write the remaining letters in the spaces at the bottom of the page.



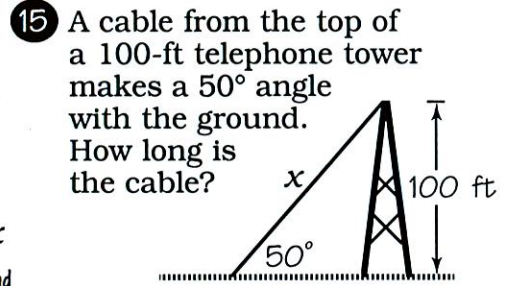
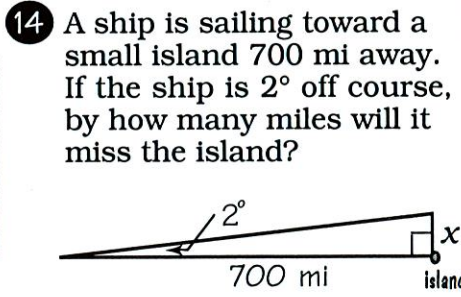
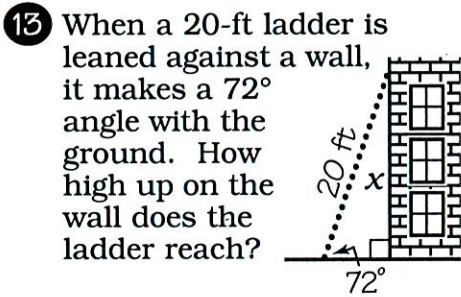
In Exercises 1-4, solve the equation. Round your solution to two decimal places.

- 1 $\sin 22^\circ = \frac{x}{15}$ 2 $\tan 75^\circ = \frac{n}{80}$ 3 $\sin 48^\circ = \frac{7}{a}$ 4 $\cos 6^\circ = \frac{92}{k}$

In Exercises 5-12, find the length of the side labeled x . Round to one decimal place.



In Exercises 13-15, find the required length. Round to one decimal place.



SO 42.5 m	TH 22.5 ft	AC 20.6 m	AT 5.0 cm	EB 130.5 ft	EL 128.1 ft	ME 92.51	AB 19.0 ft	IG 4.7 cm	ET 16.1 mi	OO 298.57
HT 55.4 in.	OP 9.42	SW 20.3 mi	AY 24.4 mi	IN 5.62	QU 37.8 ft	IT 38.1 m	UP 17.1 ft	MU 52.0 in.	CH 95.32	ON 5.7 in.