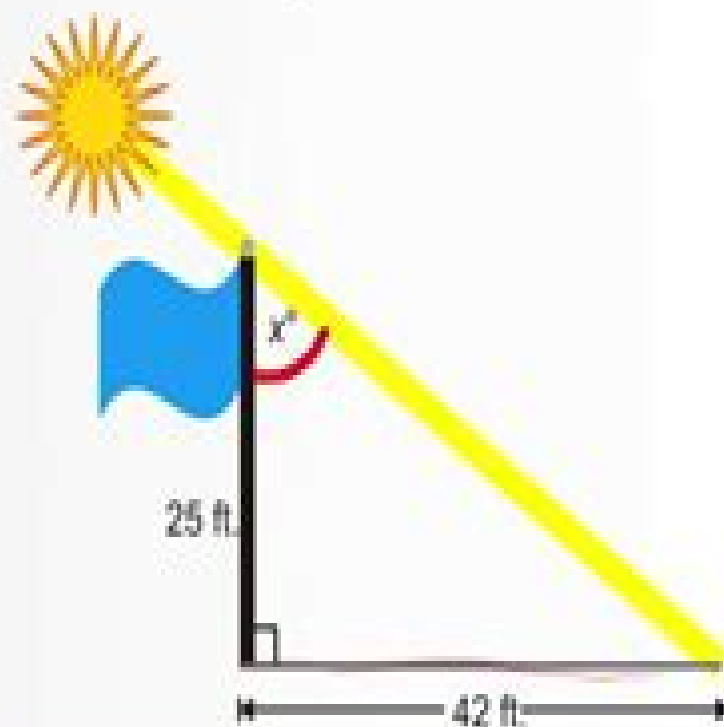


TRIGONOMETRY WORD PROBLEMS

Example B

A 25 foot tall flagpole casts a 42 foot shadow. What is the angle that the sun hits the flagpole?

$$\frac{\cancel{\tan} x^\circ}{\cancel{\tan}} = \frac{42}{25}$$
$$x^\circ = \frac{42}{25} \cdot \frac{1}{\tan}$$



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