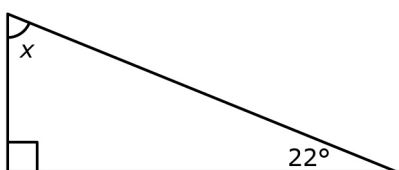


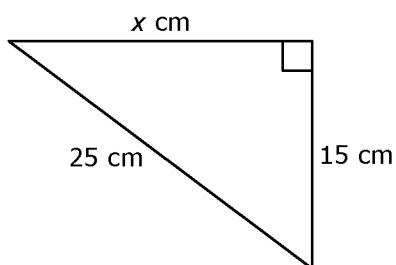
Chapter 7 Warm-Up

Section 7.1 Warm-Up

1. Convert $\frac{7}{25}$ to a decimal.
2. Using a scale of 1 cm to 500 m, how many centimetres equal 12 km on a scale diagram?
3. Solve for x : $\frac{3}{4} = \frac{x}{10}$
4. Determine the measure of x .

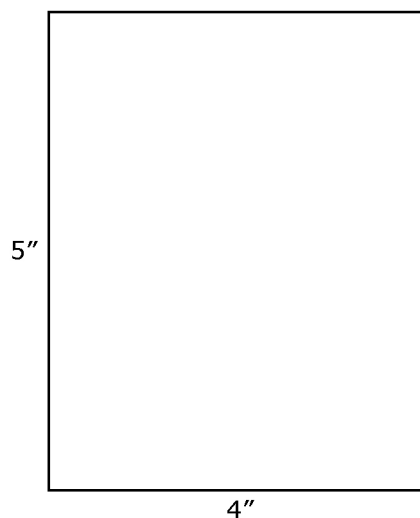
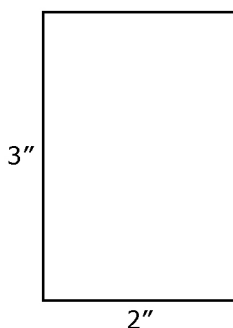


5. Determine the length of x .

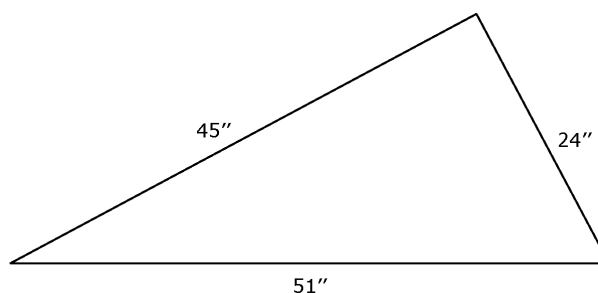
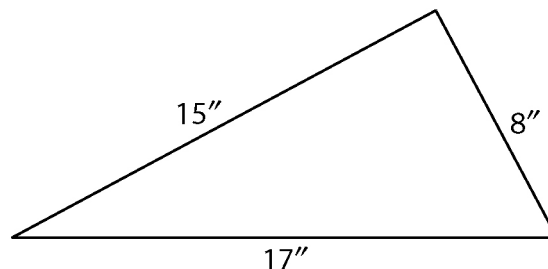


Section 7.2 Warm-Up

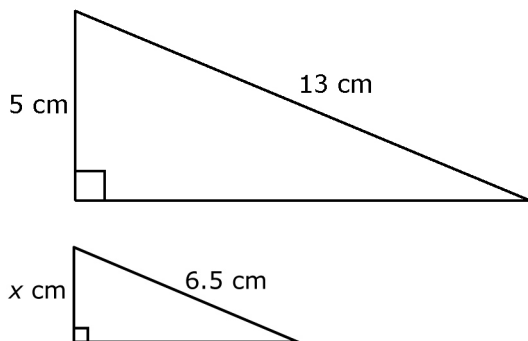
1. Are these shapes similar? Explain how you know.



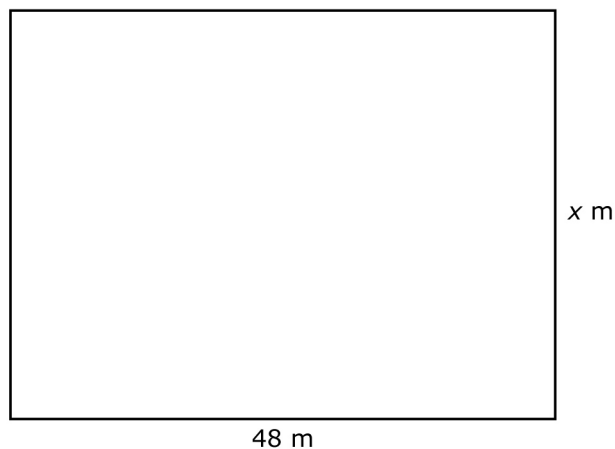
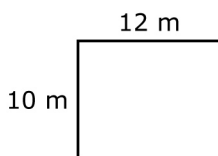
2. Are these shapes similar? Justify your response.



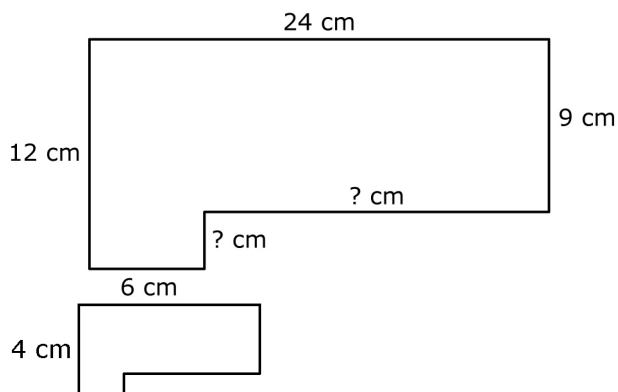
- 3.** The following triangles are similar. Determine x .



- 4.** The following shapes are similar. What is the value of x ?

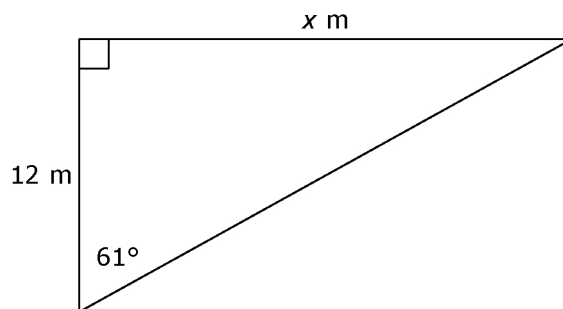


- 5.** These shapes are similar. Determine all the missing side lengths.

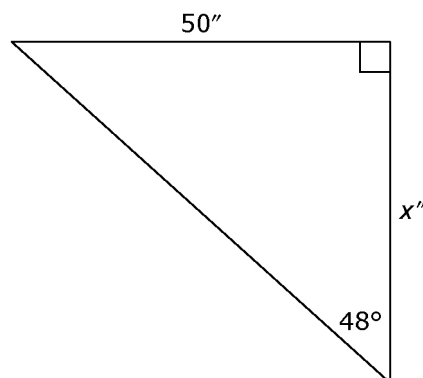


Section 7.3 Warm-Up

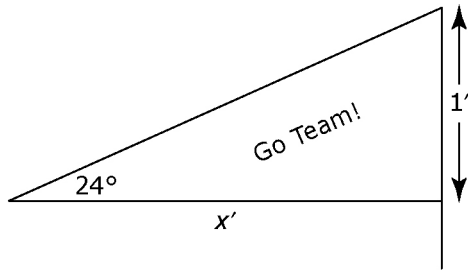
- Determine $\tan 43^\circ$, to three decimal places.
- What is the length of x , to the nearest unit?



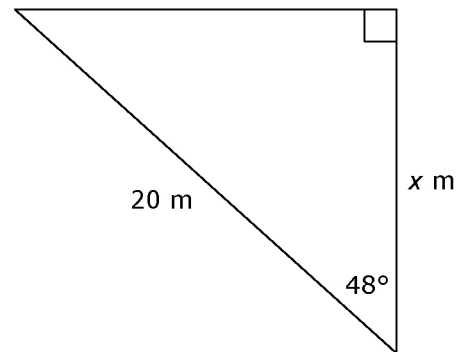
- Determine the value of x , to the nearest unit.



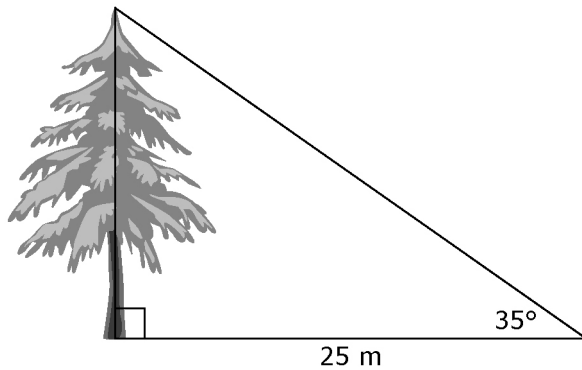
4. How long is the sports flag, to the nearest tenth of a foot?



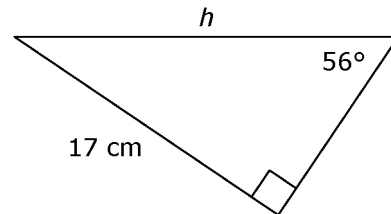
4. How long is x , to the nearest tenth of a metre?



5. Determine the height of the tree, to the nearest tenth of a metre.



5. What is the length of the hypotenuse, to the nearest tenth of a centimetre?



Section 7.4 Warm-Up

- Determine $\sin 49^\circ$, to three decimal places.
- What is $\cos 33^\circ$, to three decimal places?
- Determine the value of x , to the nearest inch.

