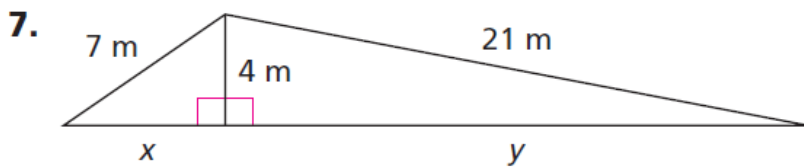
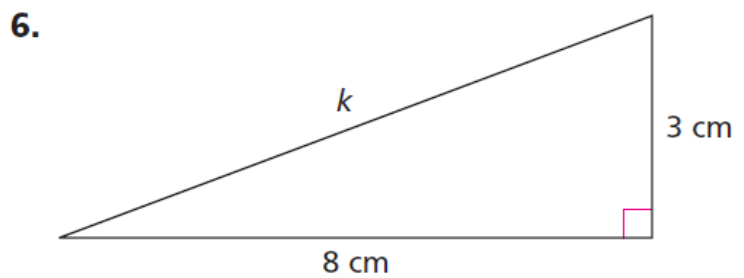
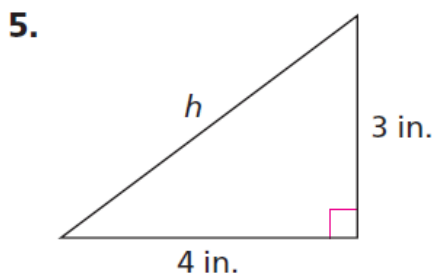
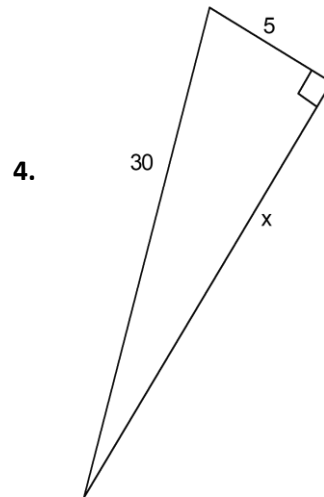
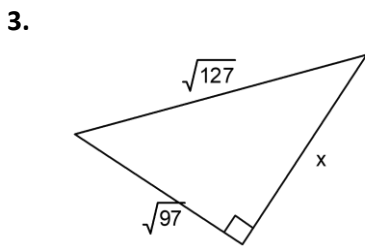
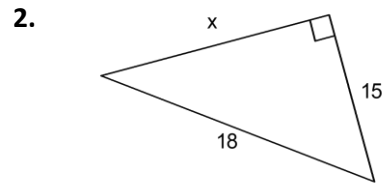
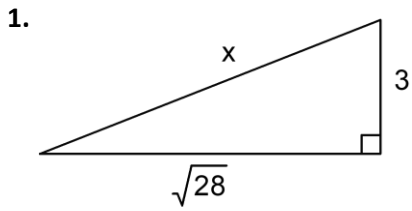


The expert in anything was once a beginner.



GIVE EXACT AND APPROXIMATE ANSWERS FOR EACH PROBLEM. Round to the nearest hundredth.
 For # 1-4, find the length of the missing side. Show your work.



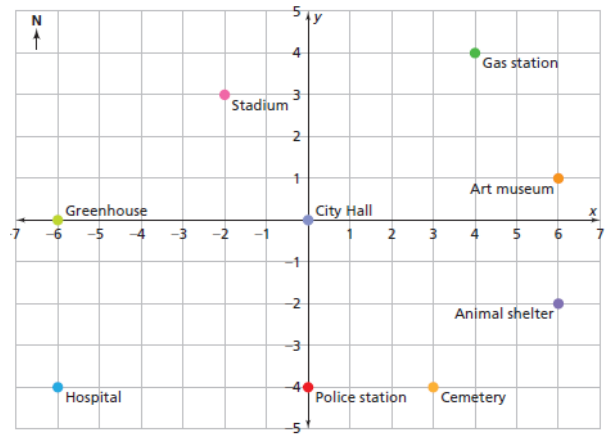
For Exercises 8–11, use the map of Euclid. Find the flying distance in blocks between the two landmarks without using a ruler. Explain.

8. greenhouse and stadium

9. police station and art museum

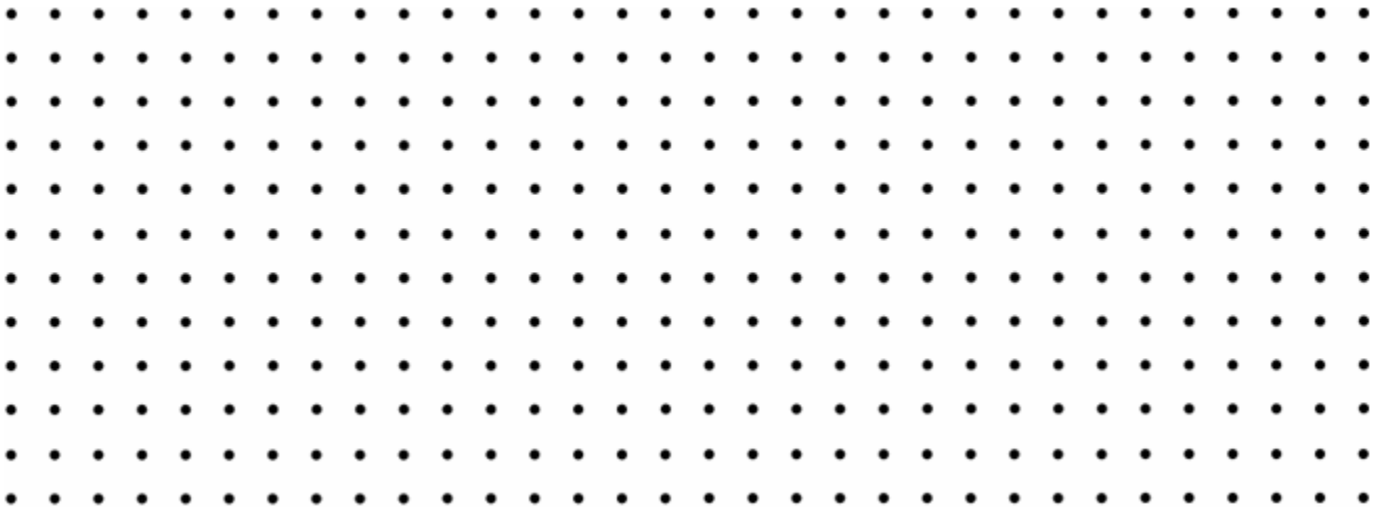
10. greenhouse and hospital

11. City Hall and gas station



12. On dot paper, find two points that are $\sqrt{17}$ units apart. Label the points W and X . Explain how you know the distance between the points is $\sqrt{17}$ units.

13. On dot paper, find two points that are $\sqrt{20}$ units apart. Label the points Y and Z . Explain how you know the distance between the points is $\sqrt{20}$ units.



Is it possible to form a right triangle with these three lengths? SHOW YOUR WORK!

14. 65, 72, 97

15. 15, 27, 12

16. $\sqrt{3}$, 8, $\sqrt{5}$

17. $4\sqrt{2}$, 6, $\sqrt{68}$