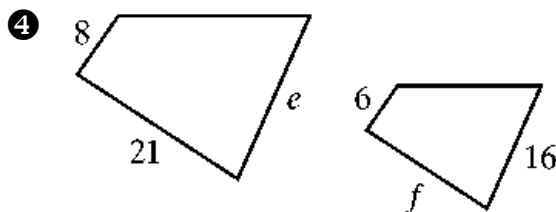
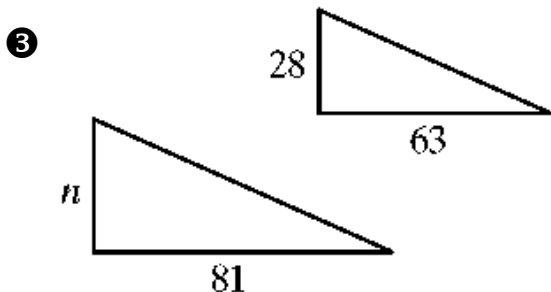
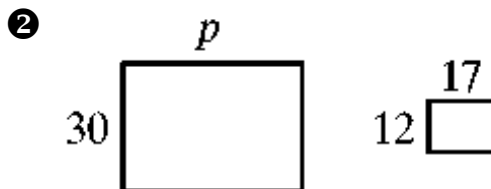
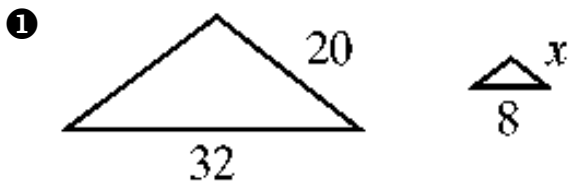


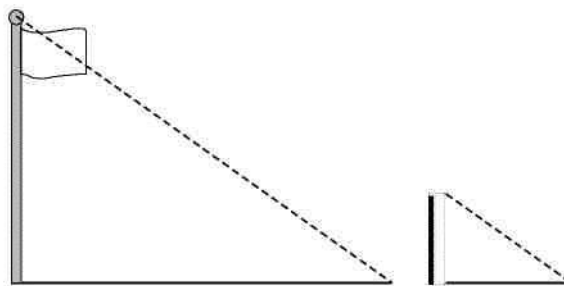
UNIT 6: SIMILAR FIGURES

Number of questions missed	1	2	3	4	5	6	7	8	9	10
Homework Score	90	80	70	60	50	40	30	20	10	0

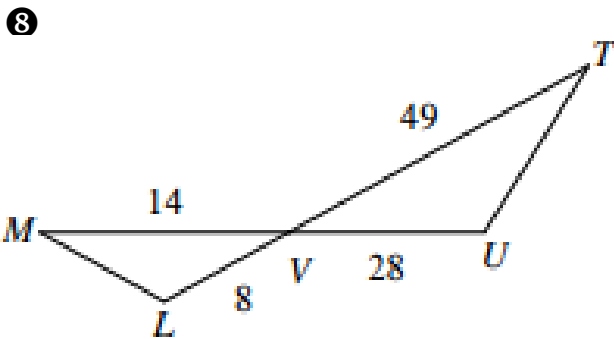
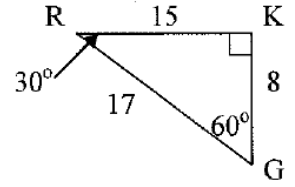
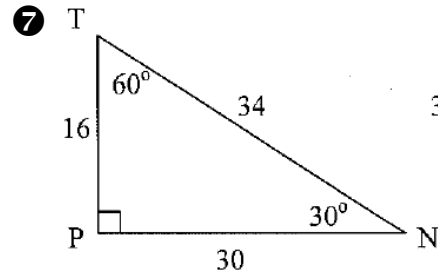
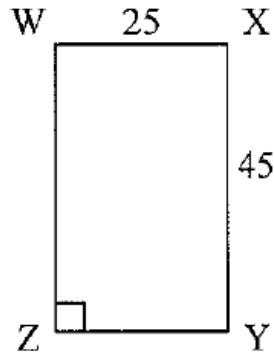
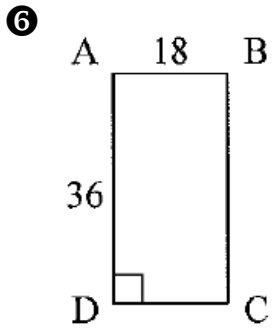
Each pair of figures is similar; find the value of the variable(s). Round to the nearest tenth where necessary.



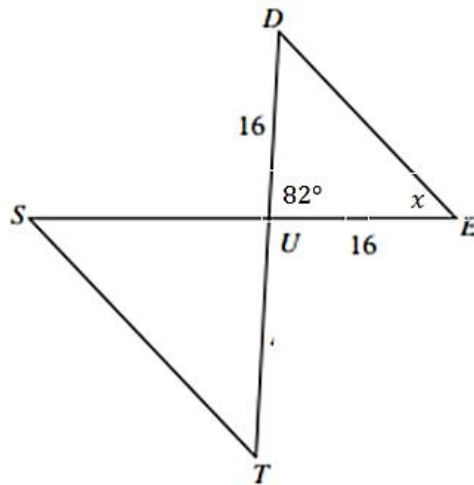
⑤ A meter stick casts a shadow 1.4 m long at the same time a flagpole casts a shadow 7.7 m long. The triangle formed by the meter stick and its shadow is similar to the triangle formed by the flagpole and its shadow. How tall is the flagpole?



For #6-8, tell whether the figures are similar. Justify your answer.



⑨ Given $\overline{ST} \parallel \overline{DE}$. What is the value of x .



⑩ Old Faithful in Yellowstone National Park shoots water 60 feet into the air that casts a shadow of 42 feet. What is the height of a nearby tree that casts a shadow 63 feet long? Assume the triangles are similar.

