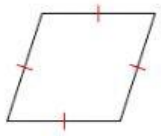
Geometry Name_____ ID: 1

Q3 Benchmark Review 2020-2021 (Ch5, Ch7, 10.1-10.3)

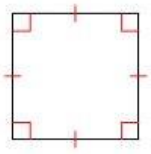
Date_____ Period____

State the most specific name for each figure.

1)

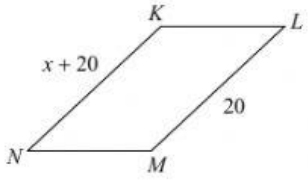


2)



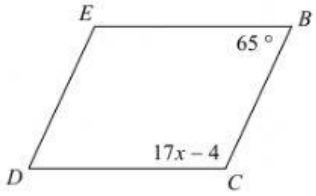
Solve for *x*. Each figure is a parallelogram.

3)



x = _____

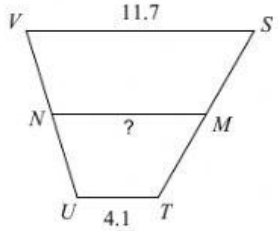
4)



x = _____

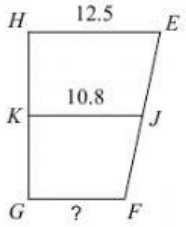
Find the length of the median of each trapezoid.

5)



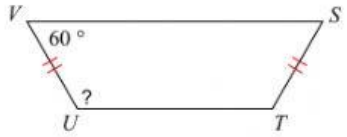
Find the length of the base indicated for each trapezoid.

6)



Find the measurement of the angle indicated for each trapezoid.

7)

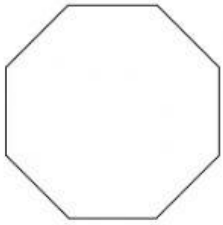


8)

LIVEWORKSHEETS

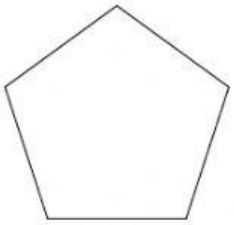
Find the measure of one interior angle in each regular polygon. Round your answer to the nearest tenth if necessary.

9)



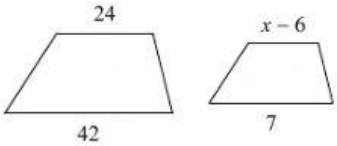
Find the measure of one exterior angle in each regular polygon. Round your answer to the nearest tenth if necessary.

10)



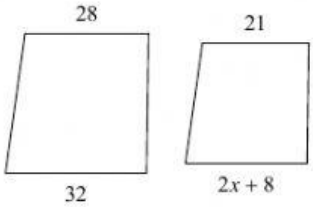
Solve for x. The polygons in each pair are similar.

11)



x = _____

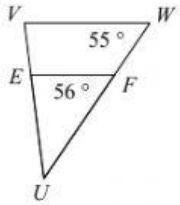
12)



x = _____

State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement. If not similar, leave the statement blank and write "not similar" for the shortcut.

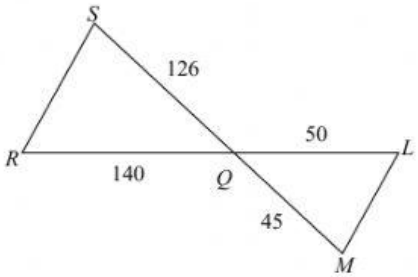
13)



$\triangle UVW \sim$ ▲_____

shortcut:

14)



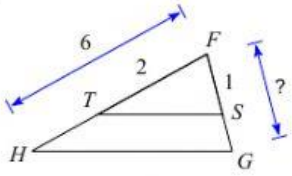
$\triangle QRS \sim$ ▲_____

shortcut:

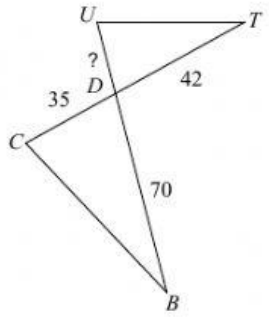
LIVEWORKSHEETS

Find the missing length. The triangles in each pair are similar.

15)

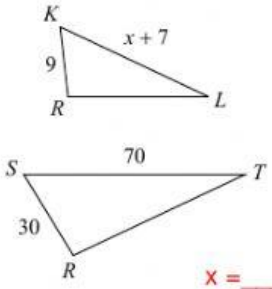


16) $\triangle DCB \sim \triangle DUT$



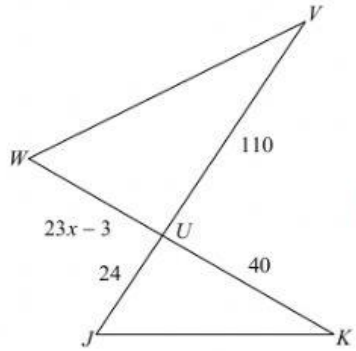
Solve for x. The triangles in each pair are similar.

17) $\triangle RST \sim \triangle RKL$



x = _____

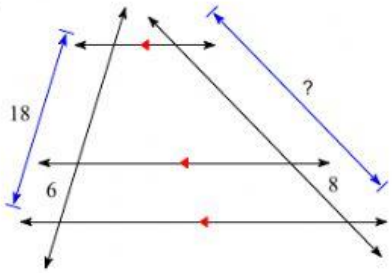
18) $\triangle UVW \sim \triangle UKJ$



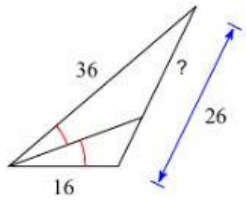
x = _____

Find the missing length indicated.

19)

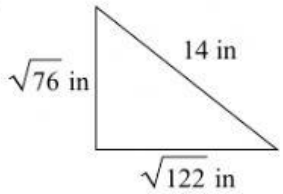


20)

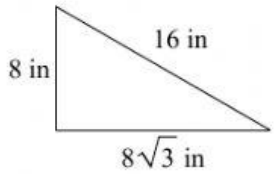


State if each triangle is acute, obtuse, or right.

21)



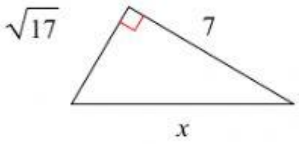
22)



LIVEWORKSHEETS

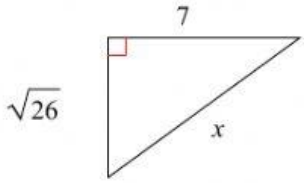
Find the missing side of each triangle. Leave your answers in simplest radical form.

23)



x = _____

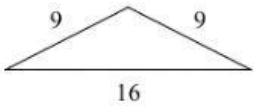
24)



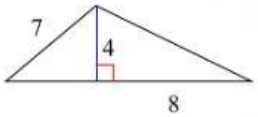
x = _____

Find the area of each triangle. Round intermediate values to the nearest tenth. Use the rounded values to calculate the next value. Round your final answer to the nearest tenth.

25)

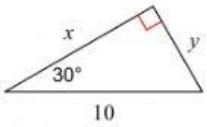


26)



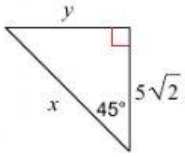
Find the missing side lengths. Leave your answers as radicals in simplest form.

27)



x = _____ y = _____

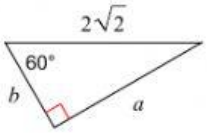
28)



x = _____

y = _____

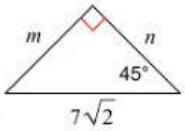
29)



a = _____

b = _____

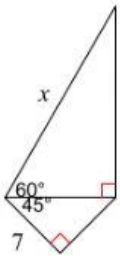
30)



m = _____

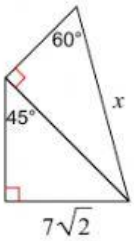
n = _____

31)



x = _____

32)



x = _____

LIVEWORKSHEETS