NAME: _____ HOUR: _____

Use Pythagorean Theorem ($a^2 + b^2 = c^2$) to solve for the missing side.

1.
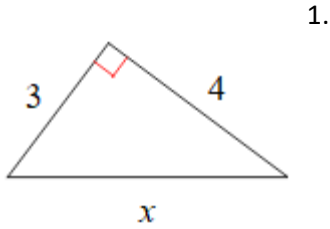
2.
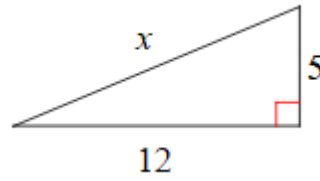
Use the information given to (1) sketch a picture and (2) find the specified trig ratio in **fraction form.**

3. If $cos\ cos\ x\ = \frac{4}{5}$, what is the $sin\ sin\ x\ =$

4. If $tan\ tan\ x\ = \frac{12}{5}$, what is the $sin\ sin\ x\ =$

5. If $cos\ cos\ x\ = \frac{4}{8}$, what is the $tan\ tan\ x\ =$

6. If $\sin x = \frac{12}{13}$, what is the $\cos x =$
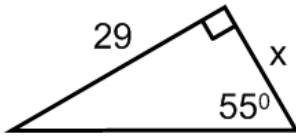
7. If $\tan x = \frac{24}{21}$, what is the $\cos x =$
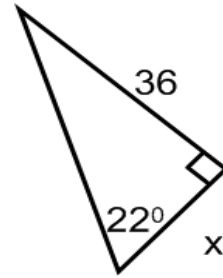
8. If $\sin x = \frac{2}{3}$, what is the $\tan x =$

Review

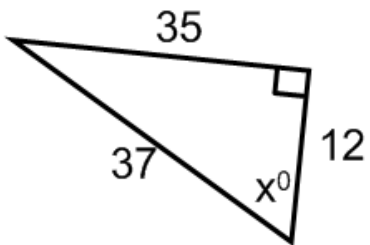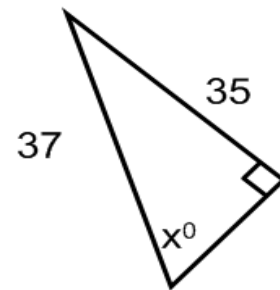Use trig ratios to solve for x in each of the following triangles.

17.

29
x
55^0

18.

36
22^0
x

19.

35
37
12
x^0

20.

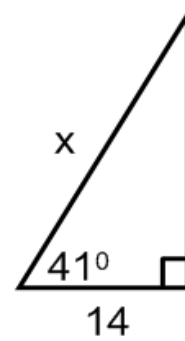

35
37
x^0

21.

x
21
68^0

22.

x
41^0
14

23.

x
14
51^0

24.

34.4
35^0
42
x