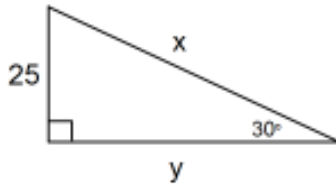Practice #18   Alg 2   Review Trig Ratios and Sp Rt △'s   Monday, April 20, 2020

Find the EXACT value of x and y in each △ using the relationships in the Special Right △'s. Rationalize denominators and reduce fractions.
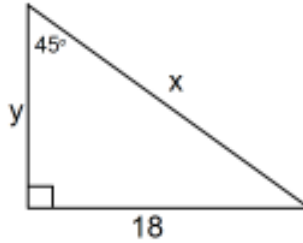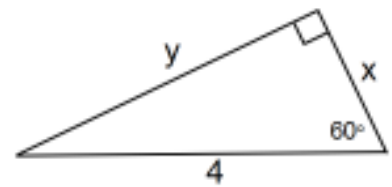
1.

25

x

30°

y

$x =$

$y =$

2.

45°

x

y

18

$x =$

$y =$

3.

y

x

60°

4

$x =$

$y =$

4.

70

45°

y

x

$x =$
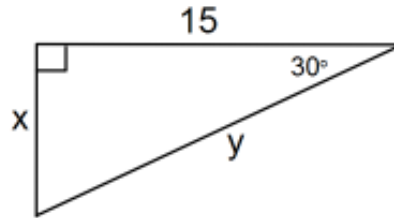
$y =$

5.
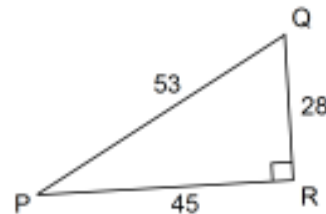

15

30°

X

y
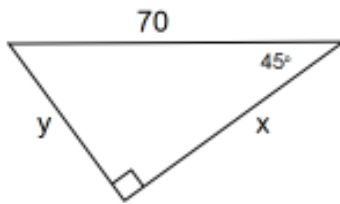
$x =$

$y =$

6. Use the given triangle to write each of the trig ratios:

Q

53

28

P

45

R

a) $\sin P =$ b) $\cos P =$ c) $\tan Q =$ d) $\cos Q =$

7. In △ABC, $\angle C$ is the right angle. Given $\sin B = \frac{16}{65}$, do the following:

• draw △ABC
• label the vertices with the letters, A, B, and C
• label the sides with their lengths which means you'll need to find the missing length
• write the following ratios:

$\cos B =$

$\tan B =$

1