

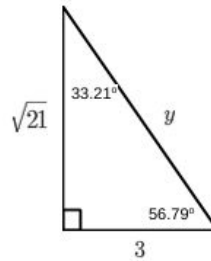
Lesson 2.4.3: Dividing Radicals

Targets:

1. I can divide square roots and write the answer in simplest form.
2. I can find the missing side length of right triangles when radicals are involved.

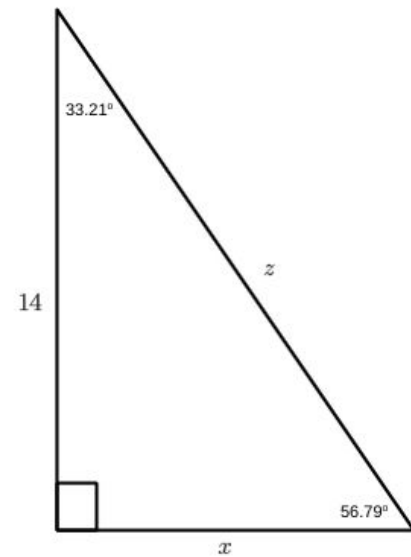
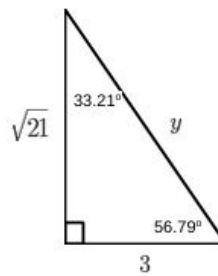
Warm Up (part 1)

Use the Pythagorean Theorem to find the value of y .



Warm Up (part 2)

Use what you know about similarity and proportions to find the value of x . Don't worry about the value of z for now.



Dividing Radicals Practice

Rewrite each expression in simplest form.

1.) $\frac{5}{\sqrt{2}}$

2.) $\frac{42}{\sqrt{21}}$

3.) $\frac{\sqrt{20}}{\sqrt{5}}$

4.) $\frac{\sqrt{30}}{\sqrt{7}}$

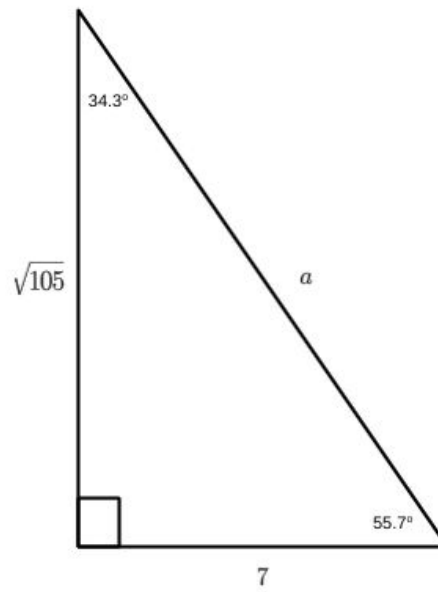
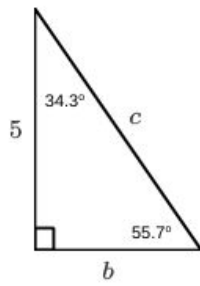
Practice 1

Find the missing sides.

a =

b =

c =

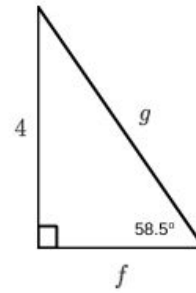
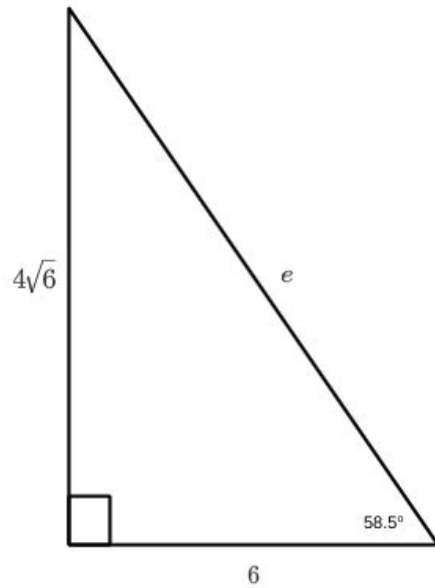
**Practice 2**

Find the missing sides.

e =

f =

g =

**Exit Ticket**

Find the value of z.

