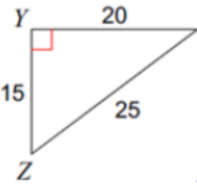
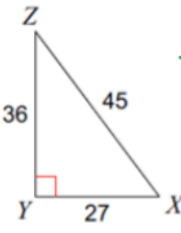


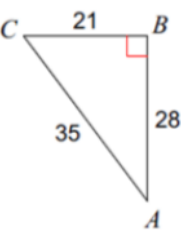
Find the value of the sine, cosine, and tangent of both acute angles in each triangle.

1) 

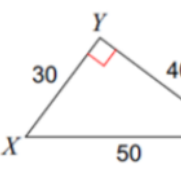
$\sin(x) = \frac{15}{25} = \frac{3}{5}$
 $\cos(x) = \frac{20}{25} = \frac{4}{5}$
 $\tan(x) = \frac{15}{20} = \frac{3}{4}$
 $\sin(z) = \frac{4}{5}$
 $\cos(z) = \frac{3}{5}$
 $\tan(z) = \frac{4}{3}$ (Reciprocal)

2) 

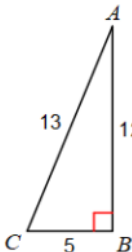
$\sin(z) = \frac{27}{45} = \frac{3}{5}$
 $\cos(z) = \frac{36}{45} = \frac{4}{5}$
 $\tan(z) = \frac{27}{36} = \frac{3}{4}$
 $\sin(x) = \frac{4}{5}$
 $\cos(x) = \frac{3}{5}$
 $\tan(x) = \frac{4}{3}$ (Reciprocal)

3) 

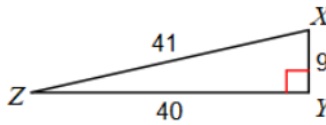
$\sin(A) = \frac{21}{35} = \frac{3}{5}$
 $\cos(A) = \frac{28}{35} = \frac{4}{5}$
 $\tan(A) = \frac{21}{28} = \frac{3}{4}$
 $\sin(B) = \frac{4}{5}$
 $\cos(B) = \frac{3}{5}$
 $\tan(B) = \frac{4}{3}$ (Reciprocal)

4) 

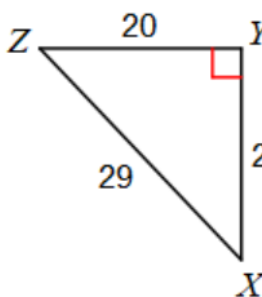
$\sin(x) = \frac{40}{50} = \frac{4}{5}$
 $\cos(x) = \frac{30}{50} = \frac{3}{5}$
 $\tan(x) = \frac{40}{30} = \frac{4}{3}$
 $\sin(z) = \frac{3}{5}$
 $\cos(z) = \frac{4}{5}$
 $\tan(z) = \frac{3}{4}$ (Reciprocal)

5) 

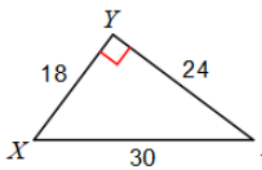
$\sin(A) = \frac{5}{13}$
 $\cos(A) = \frac{12}{13}$
 $\tan(A) = \frac{5}{12}$
 $\sin(C) = \frac{12}{13}$
 $\cos(C) = \frac{5}{13}$
 $\tan(C) = \frac{12}{5}$
 Reciprocal

6) 

$\sin(x) = \frac{9}{41}$
 $\cos(x) = \frac{40}{41}$
 $\tan(x) = \frac{9}{40}$
 $\sin(z) = \frac{40}{41}$
 $\cos(z) = \frac{9}{41}$
 $\tan(z) = \frac{40}{9}$
 Reciprocal

7) 

$\sin(x) = \frac{20}{29}$
 $\cos(x) = \frac{21}{29}$
 $\tan(x) = \frac{20}{21}$
 $\sin(z) = \frac{21}{29}$
 $\cos(z) = \frac{20}{29}$
 $\tan(z) = \frac{21}{20}$ (Reciprocal)

8) 

$\sin(x) = \frac{24}{30} = \frac{4}{5}$
 $\cos(x) = \frac{18}{30} = \frac{3}{5}$
 $\tan(x) = \frac{24}{18} = \frac{4}{3}$
 $\sin(z) = \frac{3}{5}$
 $\cos(z) = \frac{4}{5}$
 $\tan(z) = \frac{3}{4}$ (Reciprocal)