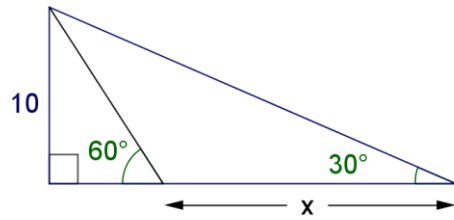1. Find x.

2. Find the exact value of each trigonometric function.

a) $\tan 945°$
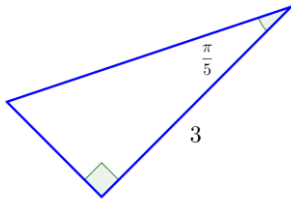
b) $\sec 660°$

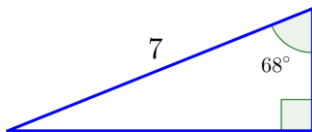3. Find the values of the trigonometric functions of θ from the given information:

$\csc\theta = \dfrac{4}{3}, \ \cos\theta < 0.$

Q: What has four wheels and flies?

4. Solve the following right triangle.

5. Solve the following right triangle.

6. Find the exact value without a calculator.

　a)　$\sin 135°$

　b)　$\sin 780°$

　c)　$\cos 660°$

　d)　$\cos(-210°)$

　e)　$\tan 150°$

　f)　$\tan 330°$

g) $\csc(-120°)$

h) $\sec 315°$

i) $\cot(-225°)$

7. Suppose $\tan \theta = \frac{4}{3}$ and $\cos \theta < 0$. Find $\csc \theta$.

8. Suppose $\sec \theta = -\frac{7}{4}$ and $\cot \theta < 0$. Find $\sin \theta$.

Optional exercises from the Sullivan book if you'd like more practice:
8.1 (p.519) #9-17 odd, 29-37 odd