In this section, we will use right triangles and a little bit of algebra to rewrite inverse trigonometric functions. Copy the information that your teacher gives you below.

Now, we’ll take this information and use it to rewrite $\sin(\arctan 5x)$. 
Okay, your turn. Try these.

1. \( \cot[\arcsin(x - 3)] \)

2. \( \sec(\arccos\frac{x}{2x + 3}) \)