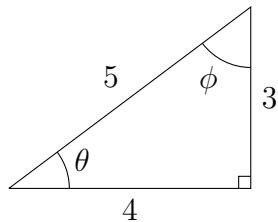# Inverse Trig Practice- 9/30/16

1. What is the sine, cosine, and tangent of θ and of ϕ in the following picture?

2. $\arccos(\sqrt{3}/2) =?$

3. $\sin^{-1}(\sqrt{3}/2) =?$

4. Draw the right triangle and use it to find the value of $\cos(\sin^{-1}(12/13))$.

5. $\tan(\arccos(-\sqrt{2}/2)) =?$

6. $\cos^{-1}(\sin(\pi/2)) =?$

7. $\arctan(\cos(0)) = ?$

8. Draw the right triangle and use it to find the value of $\sin(\tan^{-1}(x))$.

9. Draw the right triangle and use it to find the value of $\cos(\sin^{-1}(x))$.

10. Draw the right triangle and use it to find the value of $\sin(\arccos(x))$.