Graph the following inverse trig. functions. State the domain, range, and where applicable the asymptotes.

$1. y=tan^{-1}x-\frac{π}{4}$ 2. g(x) = 4$cos^{-1}4x-45°$



v

3. y(t) = sin-1 2(t – 3) 4. y = 2arccos ($ \frac{x}{2}$ + 2) +$\frac{π}{6}$



v

5. f(t) = 315$°$ + 3arctan( $\frac{t}{2}-1)$ 6. f(x) = $\frac{1}{2}$arcsin (x – π)



v

Write an equation for the following graphs.

7. 8.

9. 