Answer key for Review 4.4 – 4.6 Trig Worksheet 11/8/18

1.  
2. 
3. 
4. Reference angle for. Convert to degrees to find the reference angle, then convert that back to radians to get
5. Amplitude: 6, reflected; Period: ; Phase shift: ; Vertical shift: None
6. Amplitude: 3; Period: ; Phase Shift: ; Vertical Shift: 2 up
7. Amplitude: ; Period: 12; Phase Shift: None; Vertical Shift: 1 down
8. Amplitude: 2, reflected; Period:; Phase Shift: . Points on the shift are: .
9. Amplitude: None (although you can use the 2 for two of the points. Period: ; Phase shift: None; Vertical Shift: None. Points on the graph are:

Vertical Asymptote, ,Vertical Asymptote

1. First, sketch the related cosine graph. Amplitude: 1; Period: ; Points: .

Second: Draw the Asymptotes through the intercepts.

Third: Draw U-shaped curves toward the asymptotes that share the minimum point of the secant U-shaped curve with the maximum point of the cosine curve and that share the maximum point of the secant U-shaped curve with the minimum point of the cosine curve