

**Trig Graphing WS**  
**Tangent and Cotangent**

Name \_\_\_\_\_

**Graph one complete period for each function and give the period, and the domain and range of that period.**

1.  $y = 2 \tan\left(x + \frac{\pi}{4}\right)$

---

---

---

---

---

---

---

---

---

---

2.  $y = \cot\left(\frac{1}{2}x\right)$

---

---

---

---

---

---

---

---

---

---

3.  $y = \cot\left(x - \frac{\pi}{4}\right) + 2$

---

---

---

---

---

---

---

---

---

---

4.  $y = \tan(2x - \pi) - 2$

---

---

---

---

---

---

---

---

---

---

5.  $y = \cot\left(x - \frac{\pi}{2}\right)$

---

---

---

---

---

---

---

---

---

---

6.  $y = -\tan\left(x - \frac{\pi}{2}\right)$

---

---

---

---

---

---

---

---

---

---

7.  $y = -2\cot(2x)$

---

---

---

---

---

---

---

---

---

---

8.  $y = 3\tan(3x)$

---

---

---

---

---

---

---

---

---

---