

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

Name \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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