7.7 Worksheet Day 1   Name_____
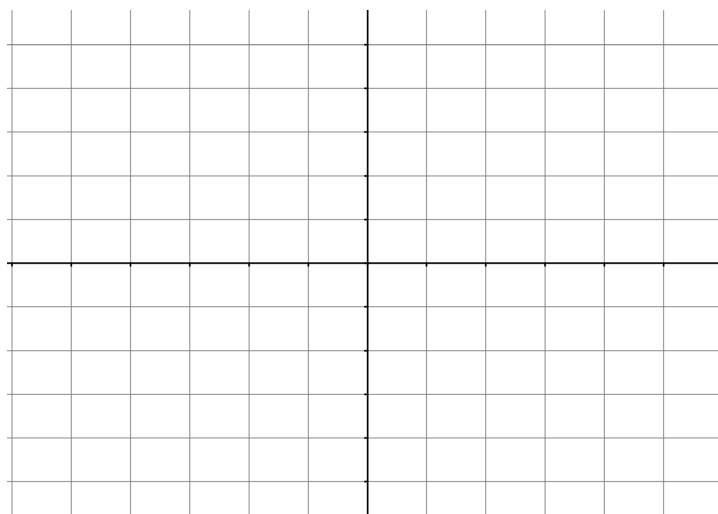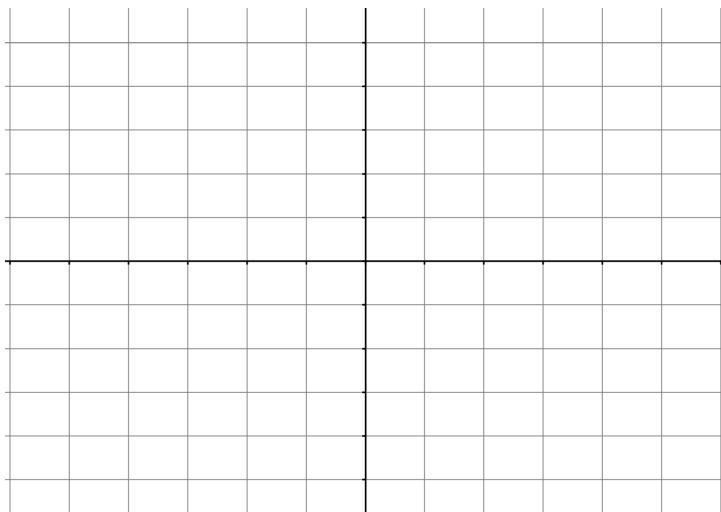
1. Graph $f(x) = \cos\left(\dfrac{1}{2}x\right)$ 2. Graph $f(x) = -3\sin(x)$

How do graphs 1 and 2 relate to graphs 3 and 4?

Write the Transformations. Find the Domain, Range, Asymptotes, and Period. Label the axes.
Graph at least two cycles of the function.

3. $h(x) = \tan\left(\dfrac{1}{2}x\right)$ 4. $p(x) = -3\cot(x)$

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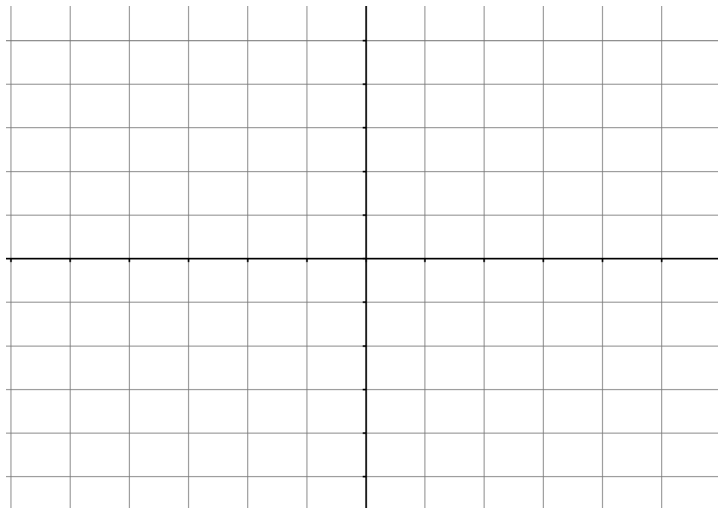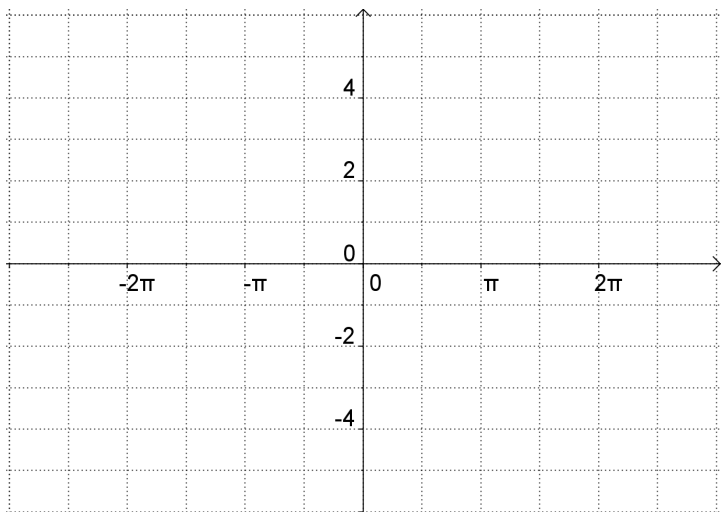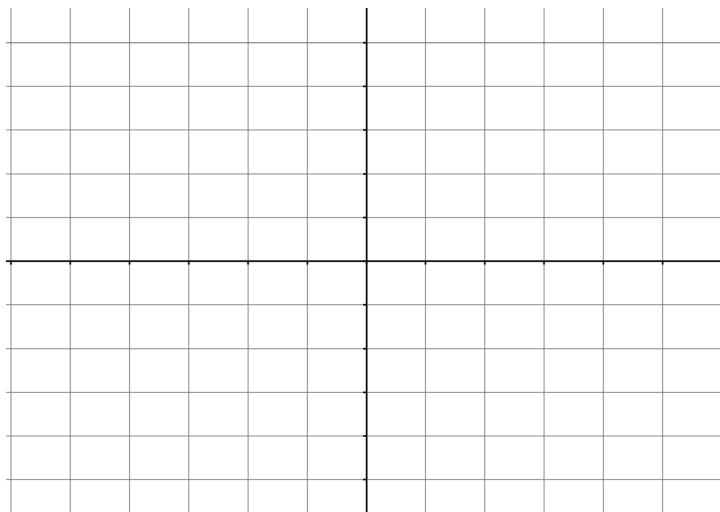
A: P: A: P:

5. $f(x) = \tan(x) + 2$

T:

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6. $g(x) = \cot\left(x + \frac{\pi}{4}\right)$

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7. $f(x) = 4\cot(2x)$

T:

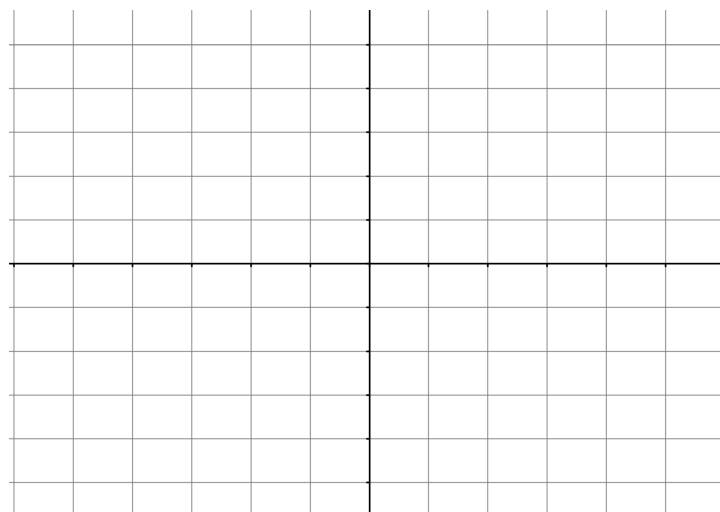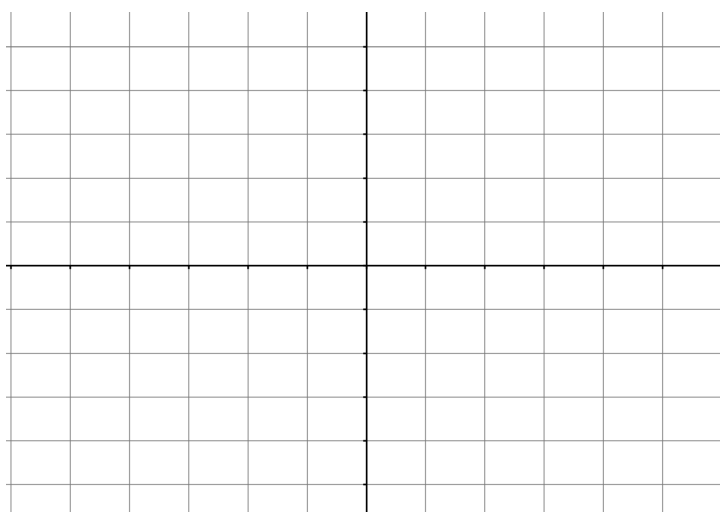D: R:

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8. $q(x) = \tan\left(x - \frac{\pi}{2}\right) + 3$

T:

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