7.7 Worksheet Day 1   Name_____
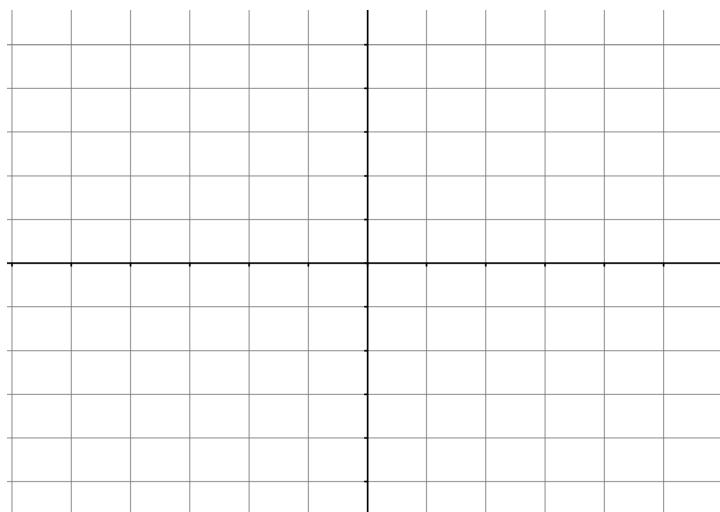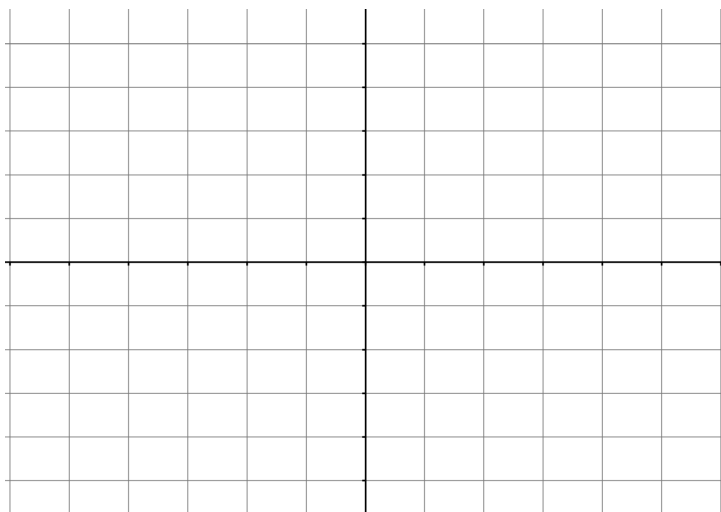
1. Graph $f(x) = -3\cos(x)$ 2. Graph $f(x) = \sin(3x)$

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. $q(x) = -3\sec(x)$ 4. $p(x) = \csc(3x)$
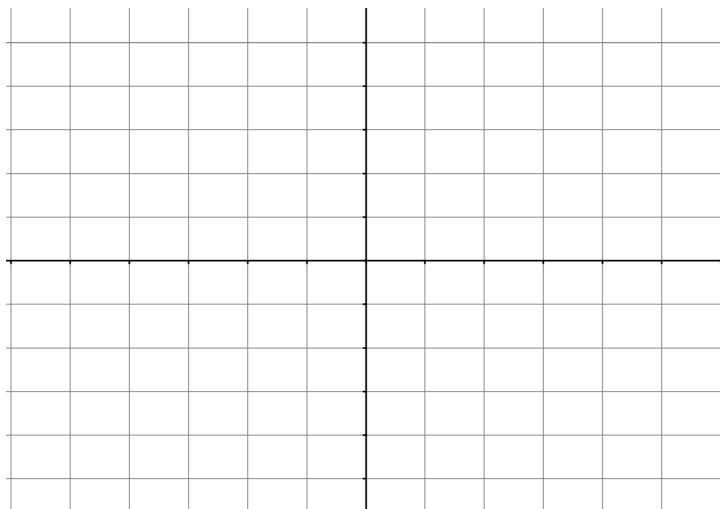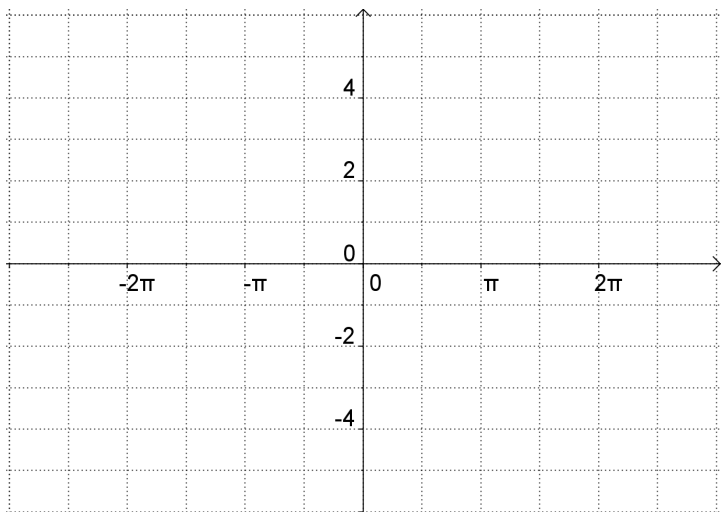T: T:

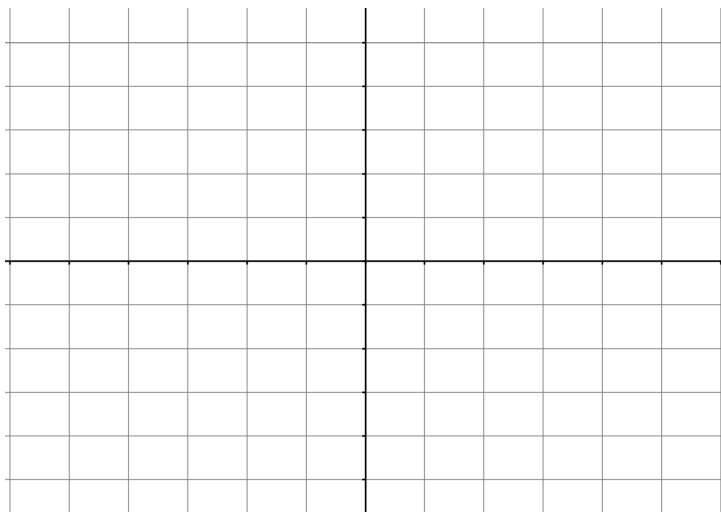D: R: D: R:

A: P: A: P:

5. $g(x) = \csc(x) - 2$

T:

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6. $h(x) = \sec\left(x + \frac{\pi}{3}\right)$

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7. $f(x) = \csc\left(x - \frac{\pi}{4}\right) + 2$
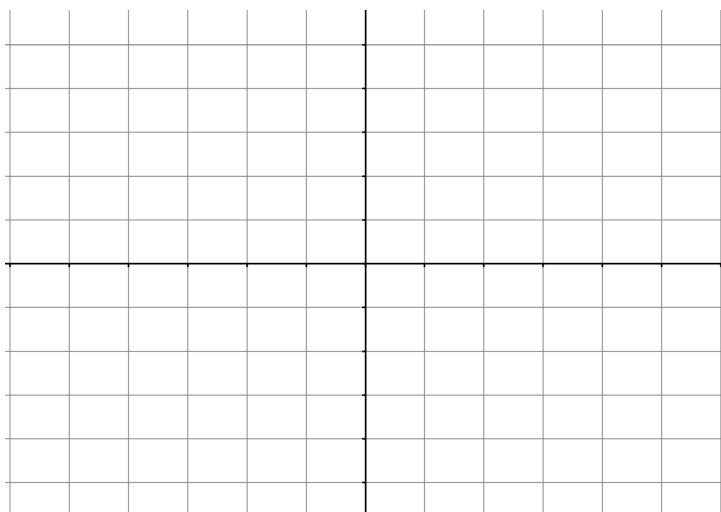
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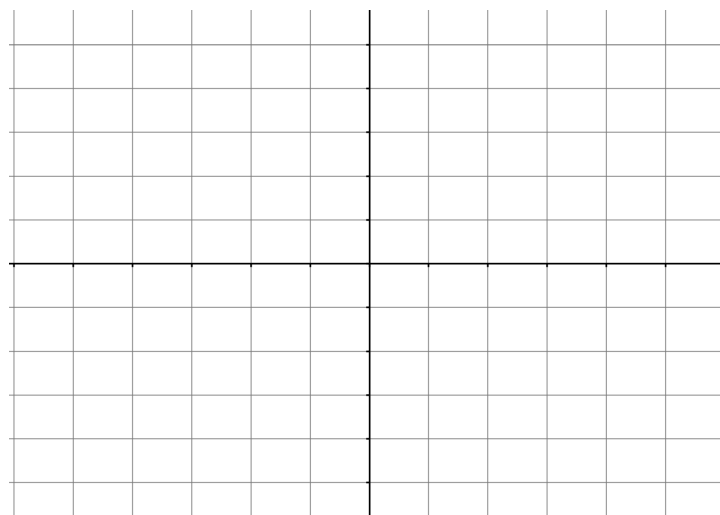8. $g(x) = 2\sec\left(\frac{1}{3}x\right)$

T:

D: R:

A: P: