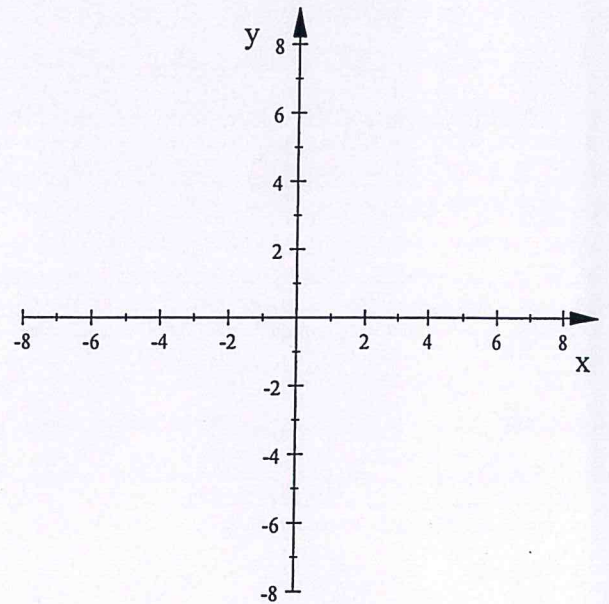
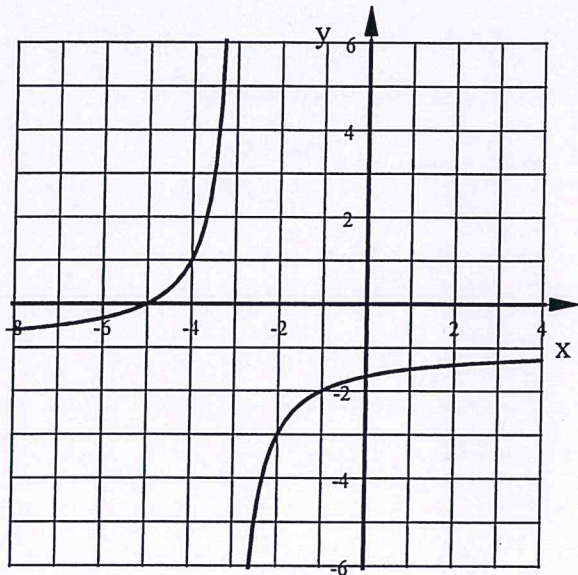


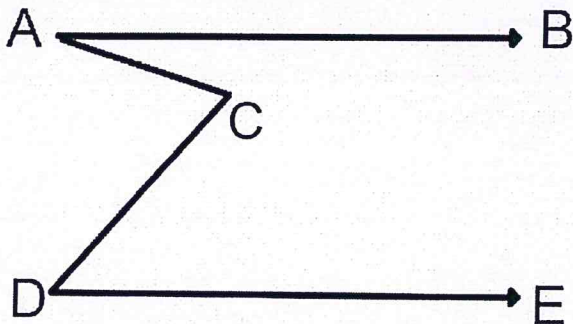
Bellwork Alg 2 Friday, February 8, 2019

- Write the equation of this graph which is a transformation of $y = \frac{2}{x}$
- Graph this transformation of the parent reciprocal function. Show the asymptotes as dashed lines and label them with their equations. $y = \frac{0.2}{x-3} + 4$

EQ:



- AB and DE are parallel. $\angle BAC = 30^\circ$, $\angle CDE = 50^\circ$. What is the measure of $\angle ACD$?

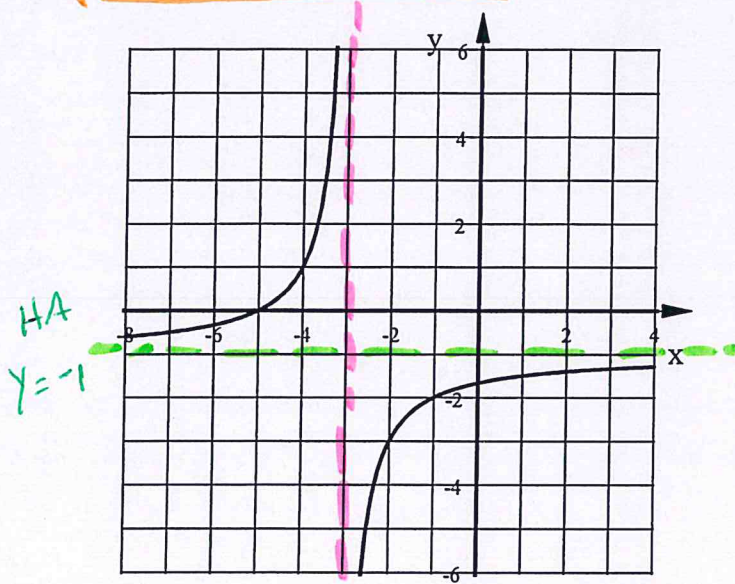


Not drawn to scale

- A. 100° B. 90° C. 80° D. 70° E. cannot be determined from the given information

1. Write the equation of this graph which is a transformation of $y = \frac{2}{x}$

EQ: $y = \frac{-2}{x+3} - 1$

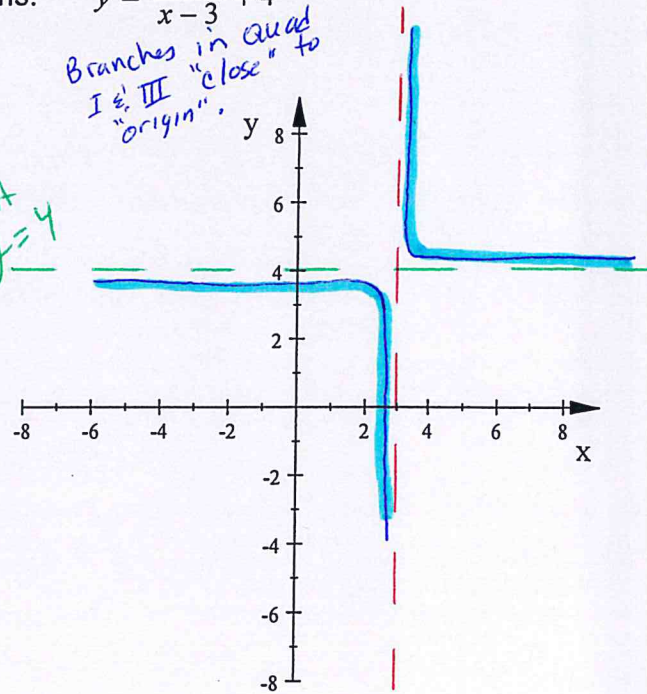


2. Graph this transformation of the parent reciprocal function. Show the asymptotes as dashed lines and label them with their equations.

$y = \frac{0.2}{x-3} + 4$

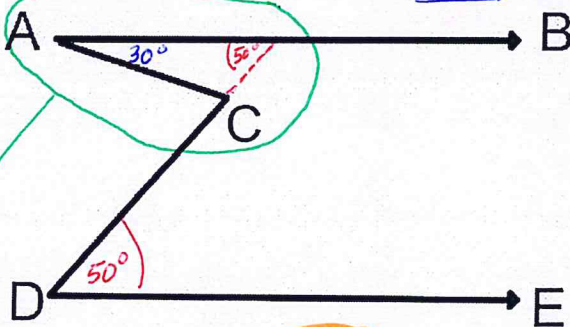
Branches in Quad I & III "close" to "origin".

HA $y = 4$



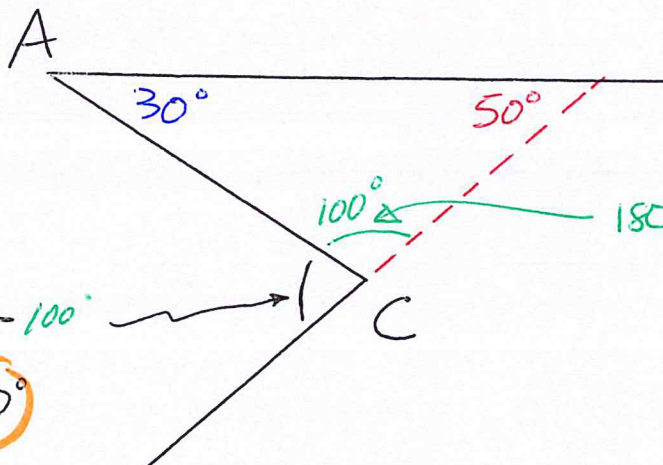
VA $x = 3$

3. AB and DE are parallel. $\angle BAC = 30^\circ$, $\angle CDE = 50^\circ$. What is the measure of $\angle ACD$?



Not drawn to scale

- A. 100° B. 90° C. 80° D. 70° E. cannot be determined from the given information



$\angle ACD = 180^\circ - 100^\circ = 80^\circ$

$180^\circ - 30^\circ - 50^\circ = 100^\circ$
3 \angle s of any Δ have a sum of 180°