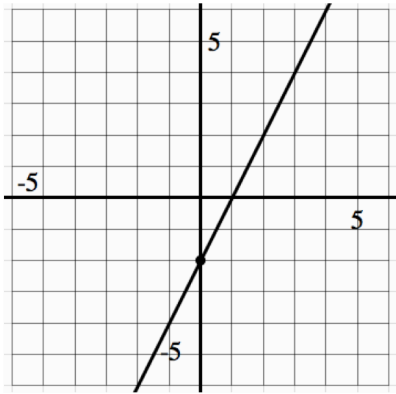


Assignment 7.3 – Geometric Transformation

Slopes of parallel and perpendicular lines.

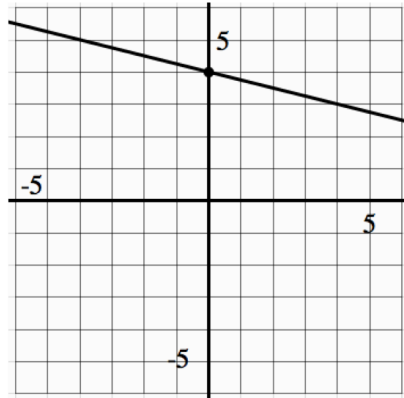
1. Graph a line *parallel* to the given line.



Equation of given line:

Equation for new line:

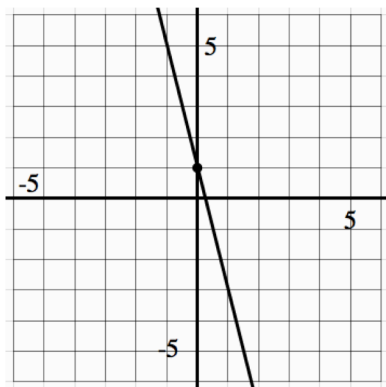
2. Graph the line *parallel* to the given line.



Equation of given line:

Equation for new line:

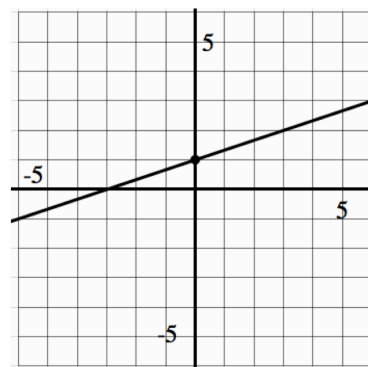
3. Graph a line *parallel* to the given line.



Equation of given line:

Equation for new line:

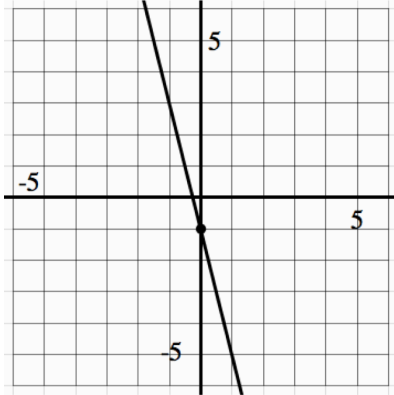
4. Graph the line *perpendicular* to the given line.



Equation of given line:

Equation for new line:

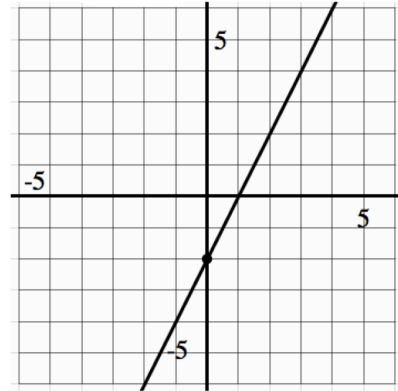
5. Graph the line *perpendicular* to the given line.



Equation of given line:

Equation for new line:

6. Graph the line *perpendicular* to the given line.

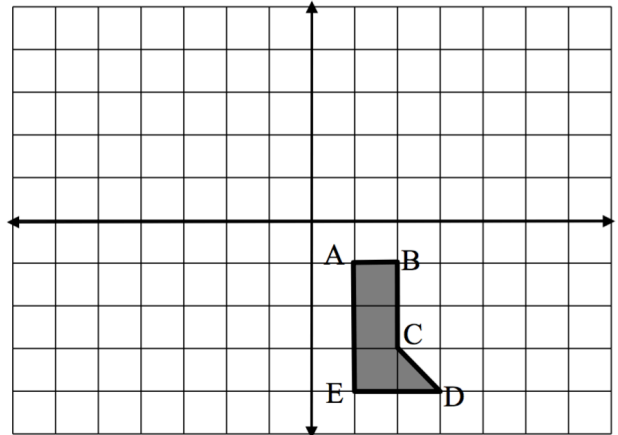


Equation of given line:

Equation for new line:

Refresh your memory

7. Rotate figure ABCDE counterclockwise by  $90^\circ$  about the origin.



8. Reflect the figure DAY over the line  $y = -x$

