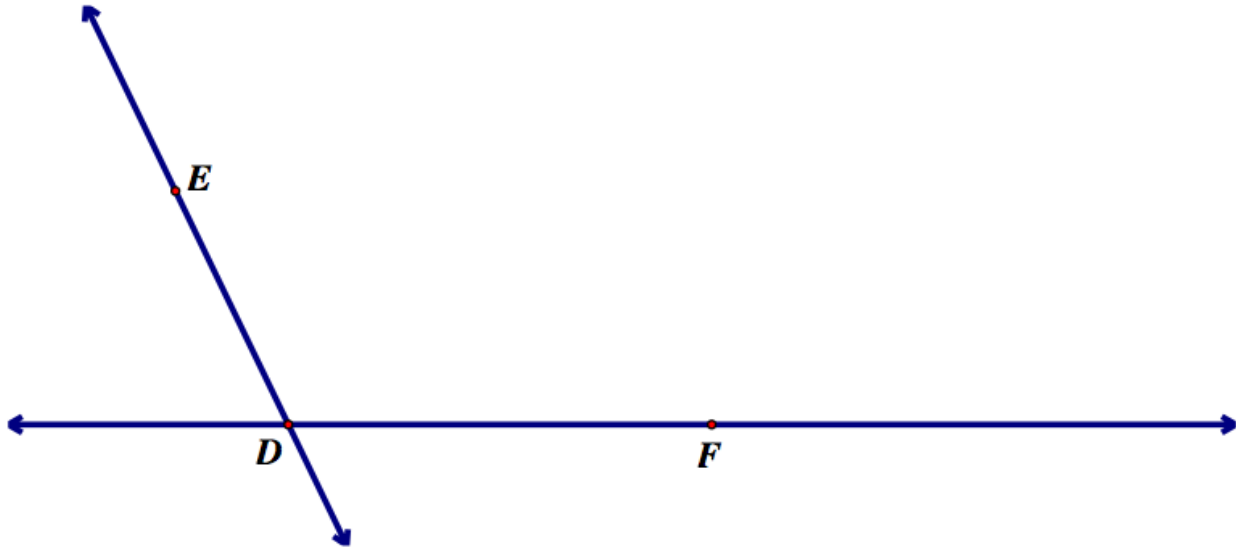


Name _____ Date _____ Period _____

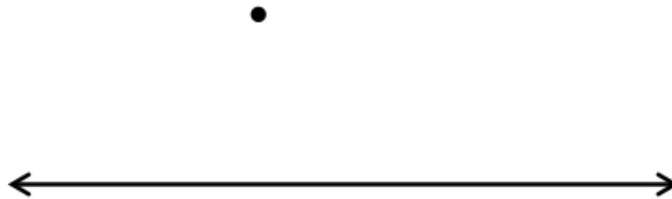
15.3 Constructions – Parallel Line through a Point (G.CO.12)

1. Construct a parallel line to \overleftrightarrow{DE} through point F .

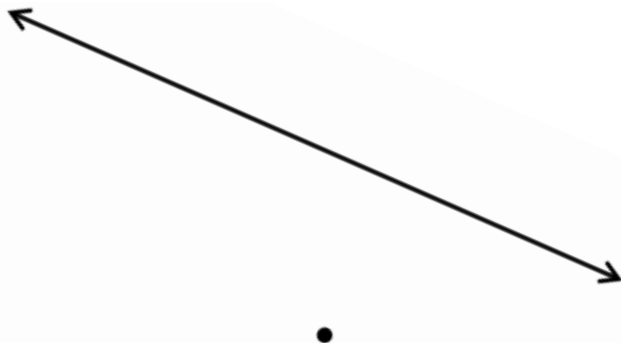


Construct a line parallel to the given line and through the given point.

2.



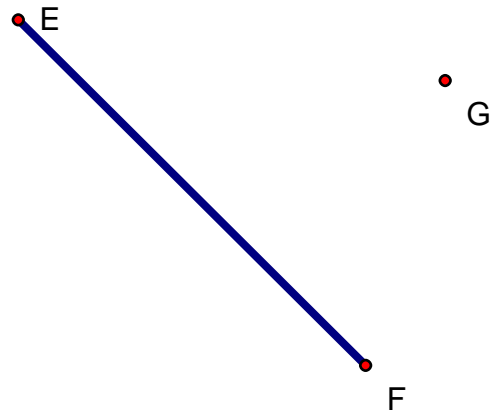
3.



4.



5.



BONUS:

- I. Construct a line parallel to \overline{AB} through Q, and another line parallel to \overline{CD} through Q.
- II. What is the name of the resulting 4-sided shape?
 - a. Square: has four equal sides and every angle is a right angle (90°)
 - b. Rectangle: four-sided shape where every angle is a right angle (90°)
 - c. Rhombus: four-sided shape where all sides have equal length
 - d. Parallelogram: opposite sides parallel and equal in length
 - e. Trapezoid: four-sided shape where a pair of opposite sides are parallel

