

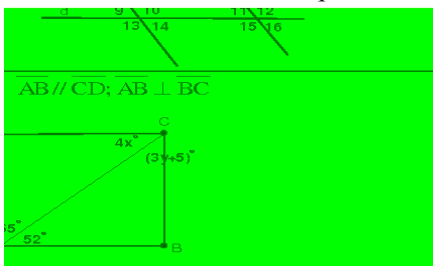
Parallel and Perpendicular Lines Worksheet

Answer the following questions using :

Slope – intercept form $y = mx + b$

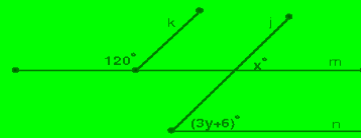
Point – slope form $y = m(x - a) + b$

Find the equation of the parallel line that passes thru the given information.

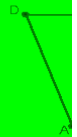


2.) Solve for x, y .

a. $k//j; m//n$



b.



3.) Given: $\overline{PQ} \perp \overline{QR}; \overline{ST} \parallel \overline{QR}; \overline{QT}$ bisects $\angle PQR$

Complete this sentence: "When two lines are parallel, their _____ are _____."

5. Complete

Describe the connection between the slopes of two perpendicular lines.

6. Describe