

Name _____

Section 3.1 Extension

Homework

Solve each equation. Show all steps.

1. $5y = 8 + 3y$

2. $4m = 10 - m$

3. $16n = 13n + 45$

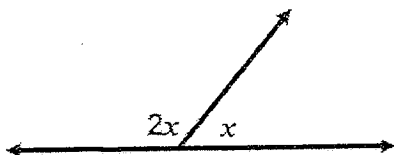
4. $17a = -8 + 9a$

5. $2r + 3r + 20 = 55$

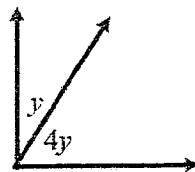
6. $-2 = 8a - 1 - 10a$

Each of the following pairs of angles is either complementary or supplementary. Find the degree measure of all the angles. Show the equation and all of your steps to solving it.

7.

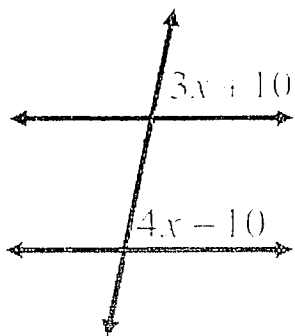


8.

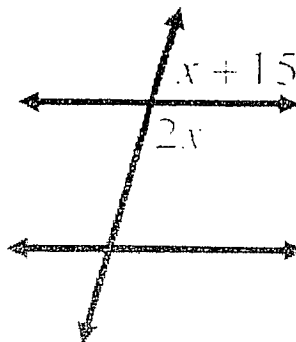


In each of the following, line l and line m are parallel. Find the measures of each of the eight angles formed when l and m are cut by the transversal t . Show the equation and your steps for solving it.

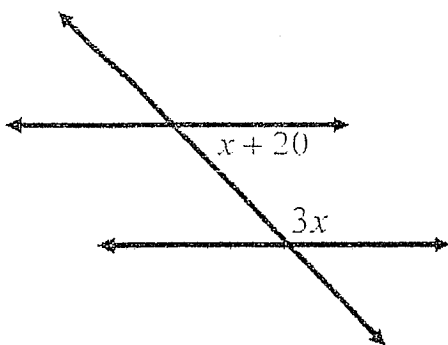
9.



10.



11.



12.

