

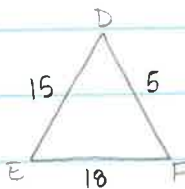
GEOMETRY (SECTION 5.6)

7. An exterior angle will always be bigger than its remote interior angles.

9. $\angle M, \angle L, \angle K$

11. $\angle G, \angle H, \angle J$

13.

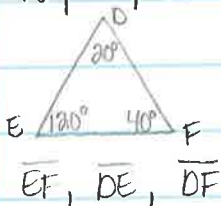


15. $\overline{MN}, \overline{ON}, \overline{OM}$

17. $\overline{TU}, \overline{UV}, \overline{TV}$

$\angle E, \angle F, \angle D$

19.



21. No, $2+3 < 6$

23. No, $8+10 < 19$

25. Yes

27. $x+8 > 12$

$x+12 > 8$

$12+8 > x$

$x > 4$

~~$x > 4$~~

$x < 20$

$4 < x < 20$

29. $x+6 > 6$

$6+6 > x$

$x > 0$

$x < 12$

$0 < x < 12$

31. $x+4 > 7$

$x+7 > 4$

$7+4 > x$

$x > 3$

~~$x > 3$~~

$x < 11$

$3 < x < 11$

33. Computer should go in the right angle.
Bookshelf should go on hypotenuse.

36. The distance of the dotted line is going to be longer than the distance through the courtyard.

37. \overline{RS}

39. \overline{XZ}