

## GEOMETRY (SECTION 2.4)

6. Dr. Ngemba should take an x-ray.
7. Not possible, the side lengths could be 6 and 2.
8. The points are collinear.
9. Not possible, the angle could be right.
10. Rashid should study hard.
11. If an animal is a Florida panther, then it is endangered.
12. Not possible, the number could end in 6 or 4 and be divisible by 2.
13. If a line intersects a segment at its midpoint, then it divides the segment into 2 congruent segments.
14. If you read often, then you will improve your score on standardized tests.
15. Alaska's Mt. McKinley is the highest in the U.S.
16. Tracy lives in the 11<sup>th</sup> state to enter the Union.
17. Not possible, Shanti could be studying chemistry.
19. Must be true (it is breakfast time,  $A|E$ )
20. Must be true (it is breakfast time,  $A|E|C$ )
21. May be true (we don't know what she drinks at breakfast,  $A, E, B$ )
22. Not true (doesn't drink anything but water,  $C$ )
23. May be true (she may drink water also,  $E$ )
24. Not true (doesn't drink anything but juice,  $A|E|D$ )