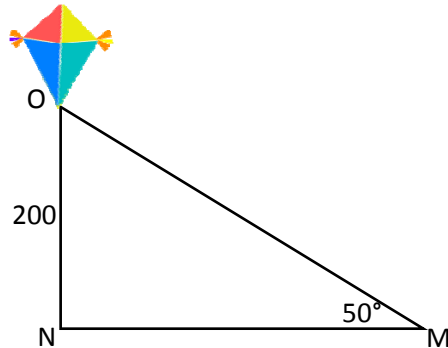


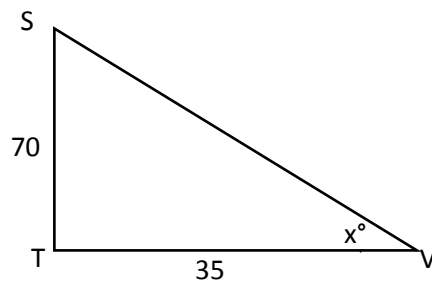
Tangent Ratios - Guided Lesson

Complete the following problems:

- 1) You're flying a kite that is 200 foot high from the point, N on the ground. The kite string makes a 50° angle from the ground (point M), find the length MN.



- 2) A tree 70 feet high and casts a shadow that is 35 feet long. What is the angle of elevation from the end of the shadow to the top of the tree with respect to the ground?



- 3) A bird sits on top of a tree. The angle of depression from the bird to the feet of an observer standing away from the tree is 40° . The distance from the tree to the observer is 25 meters. What is the height of tree?

