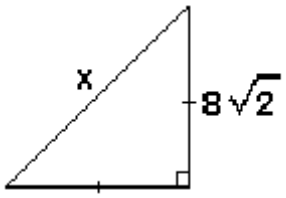
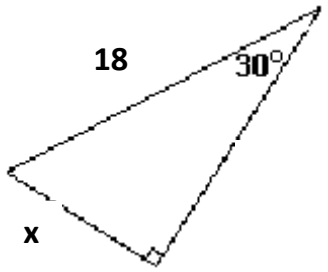
Modifying Assessments- Geometry

Directions: Modify this low cognitive demand problem to a higher cognitive demand problem. Show the new problem on the right and explain your strategy or strategies you used to modify the problem on the left.

LOW cognitive demand problem	**HIGH cognitive demand problem**
2. What is the approximate value of x? a) 11.3 b) 16.0 c) 19.6 d) 22.6 	

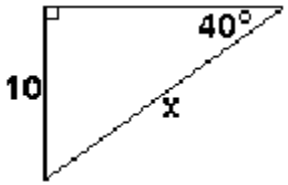
Modifying Assessments- Geometry

Directions: Modify this low cognitive demand problem to a higher cognitive demand problem. Show the new problem on the right and explain your strategy or strategies you used to modify the problem on the left.

LOW cognitive demand problem	**HIGH cognitive demand problem**
3. What is the value of *x*? a) 3 b) 9 c) $6\sqrt{3}$ d) $9\sqrt{3}$  	

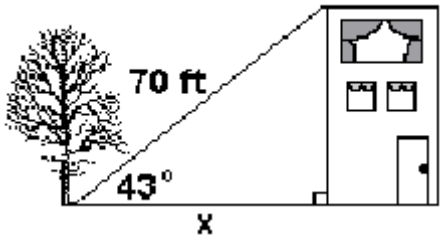
Modifying Assessments- Geometry

Directions: Modify this low cognitive demand problem to a higher cognitive demand problem. Show the new problem on the right and explain your strategy or strategies you used to modify the problem on the left.

LOW cognitive demand problem	**HIGH cognitive demand problem**
5. Which trigonometric equation could be used correctly to solve for the missing side labeled x?  a) $\sin 40^\circ = \frac{x}{10}$ b) $\tan 40^\circ = \frac{10}{x}$ c) $\sin 50^\circ = \frac{10}{x}$ d) $\cos 50^\circ = \frac{10}{x}$	

Modifying Assessments- Geometry

Directions: Modify this low cognitive demand problem to a higher cognitive demand problem. Show the new problem on the right and explain your strategy or strategies you used to modify the problem on the left.

LOW cognitive demand problem	**HIGH cognitive demand problem**
6. What is the approximate distance from the house to the tree?  a) 47.8 ft b) 51.2 ft c) 65.3 ft d) 75.1 ft	