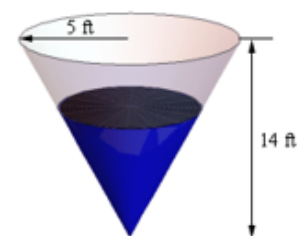



**Formative Assessment #20 – Cone Problem**

**C4.1: I can solve problems involving related rates drawn from a variety of applications.**

1. A tank of water in the shape of a cone is leaking water at a constant rate of  $2 \text{ feet}^3/\text{h}$ . The radius of the tank is 5 feet and the height of the tank is 14 feet. At what rate is the depth of the water in the tank changing when the depth of the water is 6 feet?



Code(s)	Learning Categories						 Assessed by:
C4.1	EH	EL	AH	AL	NH	NL	
<b>Notes</b>							