Date:
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# Today's Learning Goal(s):

By the end of the class, I will be able:

a) prepared for the Unit 5 Summative Tuesday.

Last day's work: pp. 332-335 #3 - 6 [7, 14]

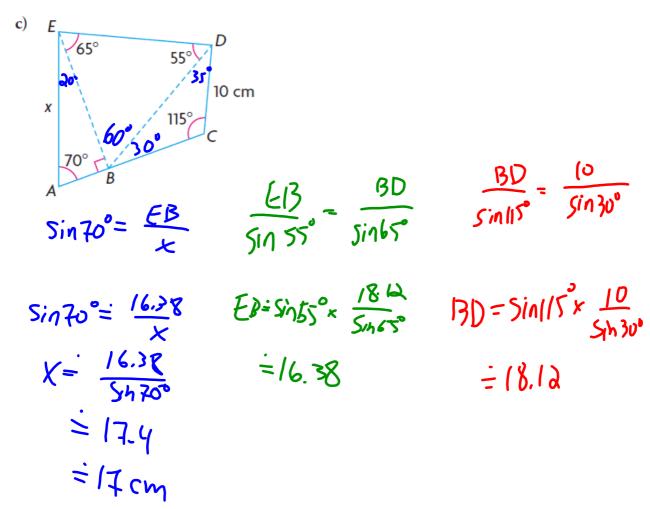
34,5,6

### 5.R Unit 5 Review Redo Quiz 5.1

- 5.1 Trig Raos of Acute Angles ( 6 Trig Raos)
- 5.2 Trig Raos of Special Angles ( Exact Values)
- 5.3 Trig Raos of Obtuse Angles (Angles in Standard Posion)
- 5.4 **CAST** Rule & Related Acute Angles (RAA;  $\beta$  vs  $\theta$ )
- 5.4 Evaluang Trigonometric Raos for  $0^{\circ} \le \theta \le 360^{\circ}$  (Both answers)
- 5.6 The Sine Law (& Ambiguous Case)
- 5.7 The Cosine Law
- 5.8 Solving 3-Dimensional Problems Using Trigonometry

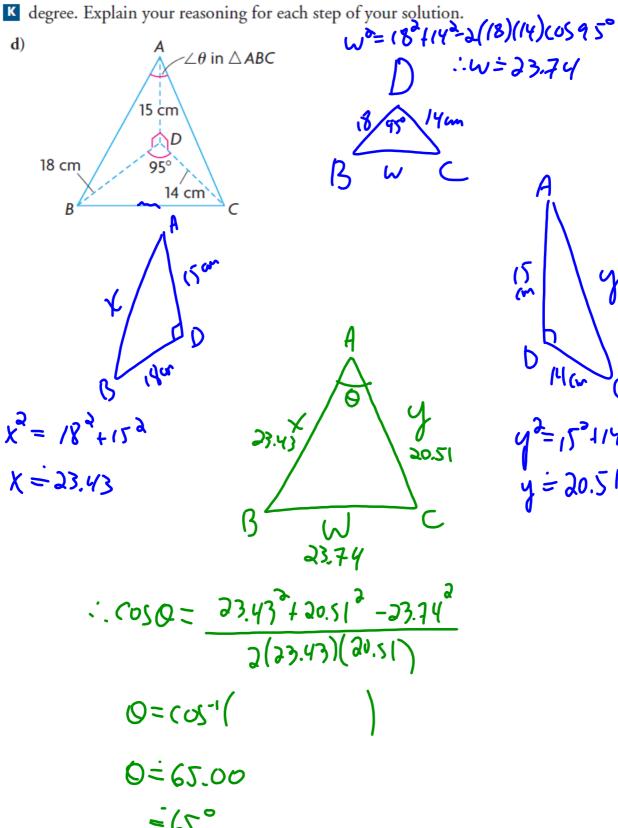
#### p. 332 #3

- **3.** Determine the value of x to the nearest centimetre and  $\theta$  to the nearest
- K degree. Explain your reasoning for each step of your solution.



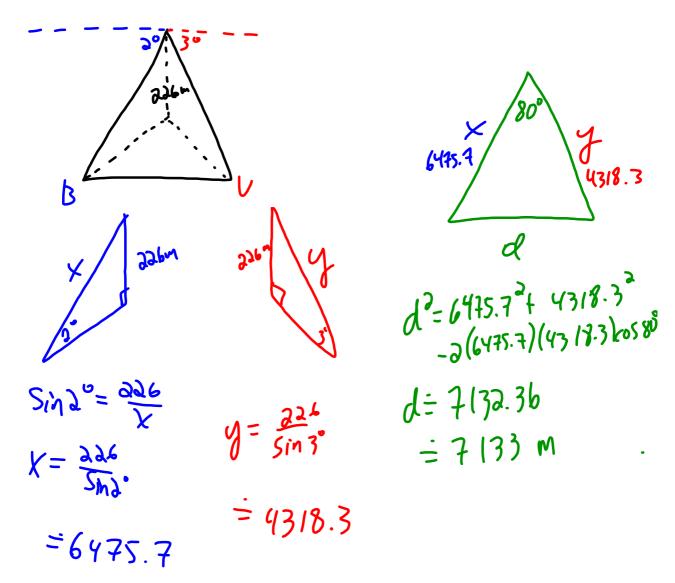
p. 332 #3

**3.** Determine the value of x to the nearest centimetre and  $\theta$  to the nearest



#### p. 333

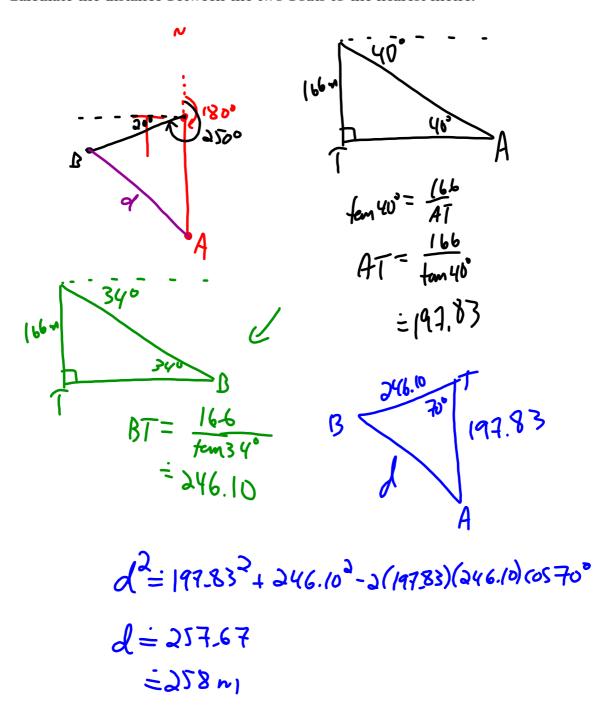
- 5. While Travis and Bob were flying a hot-air balloon from Beamsville to Vineland in southwestern Ontario, they decided to calculate the straight-line distance, to the nearest metre, between the two towns.
  - From an altitude of 226 m, they simultaneously measured the angle of depression to Beamsville as 2° and to Vineland as 3°.
  - They measured the angle between the lines of sight to the two towns as  $80^{\circ}$ . Is there enough information to calculate the distance between the two towns? Justify your reasoning with calculations.



#### p. 333

- 6. The observation deck of the Skylon Tower in Niagara Falls, Ontario, is
- A 166 m above the Niagara River. A tourist in the observation deck notices two boats on the water. From the tourist's position,
  - the bearing of boat A is  $180^{\circ}$  at an angle of depression of  $40^{\circ}$
  - the bearing of boat B is 250° at an angle of depression of 34°

Calculate the distance between the two boats to the nearest metre.



### Are there any Homework Questions you would like to see on the board?

Last day's work: pp. 332-335 #3 - 6 [7, 14]

# Today's Homework Practice includes: