

EXAM REVIEW...

- Chp. 6: Surface Area, Volume & Capacity

http://mvhs.nbed.nb.ca/sites/mvhs.nbed.nb.ca/files/noteattach//y2016/Jan/chp._6_test_-_surface_area_volume_and_capacity_oct._2015.pdf



- Chp. 7/8: Angle Properties & Trigonometry

http://mvhs.nbed.nb.ca/sites/mvhs.nbed.nb.ca/files/noteattach//y2016/Jan/chp._7_8_test_-_trigonometry_nov._2015.pdf



TOMORROW... Money Units: Chp. 1, 2 & 3

* Check and Correct!!! Come with questions!

5. A windmill on a farm is supported by two guy wires, as shown below. Find the lengths of the two guy wires.

[6]

$\cos 33^\circ = \frac{29}{y}$ $\tan 33^\circ = \frac{z}{29}$ $\sin 58^\circ = \frac{18.8}{x}$
 $y = \frac{29}{\cos 33^\circ}$ $29 \tan 33^\circ = z$ $x = \frac{18.8}{\sin 58^\circ}$
 $18.8 = z$ $x = 22.2$

Guy Wire $x = 22.2m$ Guy Wire $y = 34.6m$

$y = 34.6$

3-4-5 5-12-13 15-36-39

13. What is the value of $\cos B$ to 4 decimal places?

- A] 0.3846
- B] 0.9231
- C] 0.4167
- D] 2.4

$\cos B = \frac{15}{39}$
 $\cos B = 0.3846$
 $B = \cos^{-1}(0.3846)$
 $B = 67^\circ$

14. If $\cos A = 0.5095$, what is the value of A ?