

# 10-1B Volume of Prisms

Volume of a Prism:  $V = Bh$   
 $B = \text{Area of base}$   $h = \text{height}$

Do <sup>examples</sup> from HW on 2007/2008 prisms.

Homework <sup>pg 561</sup> 6, 10, 12, 14, 15, 16, 20, 23, 24, 28, 29, 30

6.  $960 \text{ in}^3$

10.  $396 \text{ ft}^3$

12.  $37.8 \text{ yd}^3$

14. Same 2 sides,

Vol will be equivalent

15. too much sand

too much

16.  $37.8 \text{ yd}^3$

20.  $306.52 = 19.4 \text{ m}$  ;  $15.8 \text{ m}$

23a:  $V = Bh$

Volume is divided

b) Volume is eight

times greater

c) They'd have the same effect

24.  $1,728 \text{ m}^3 = 1 \text{ ft}^3$

28. I -  $400 \text{ cm}^3$

29. B -  $1000 \text{ cm}^3$

30. H