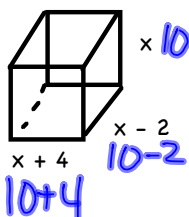


Ex5) $v=1120 \text{ ft}^3$ Find dimensions.

$$10 \times 8 \times 14 \text{ ft}$$



$$V = l \cdot w \cdot h$$

$$V = x \cdot (x+4)(x-2)$$

$$1120 = x(x+4)(x-2)$$

$$1120 = x(x^2 + 2x - 8)$$

$$0 = x^3 + 2x^2 - 8x - 1120$$

from graph

$$\underline{\underline{x=10}}$$

Remind me to
give you zeros
for #'s 18-32

$$18. x = -6, 5, 10$$

$$20. x = 1, -1$$

$$22. x = \frac{1}{2}, 1, -1$$

$$24. x = 0, 3$$

$$30. x = -2, \frac{4}{3}$$

SKIP

26, 28, 32, 34-36