

Find the area and perimeter of the rectangle below



$$A = 5 \cdot 13$$

Nov 23-7:07 AM



The base and height of any polygon are always PERPENDICULAR!!

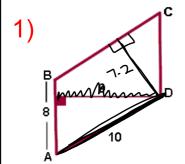
Rectangle	A = bh	h []
Parallelogram	A = bh	in b
Triangle	$A = \frac{1}{2}bh$	h
Trapezoid	$A = \frac{1}{2}h(b_1 + b_2)$	N
* Bases of a trapezoid HUST be parallel *		

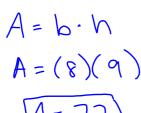
Height of trapezoid is the distance between the

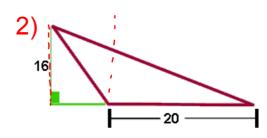
two bases

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Find the area of each figure







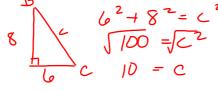
$$A = \frac{1}{2}bh$$

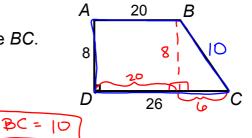
$$A = \frac{1}{2}(20)(10)$$

$$A = 160$$

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- 3) An enclosure has the shape of a trapezoid as shown below.
 - (a) Determine the length of side BC.

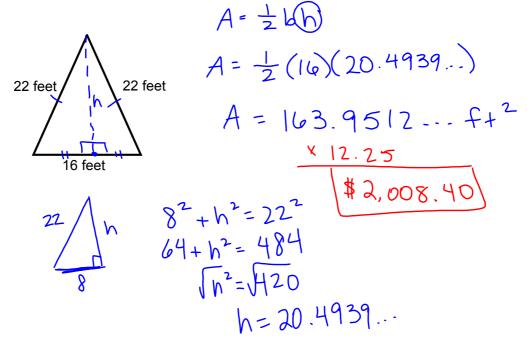




(b) Determine the perimeter of ABCD.

(c) If the enclosure is to be surrounded on all sides by fencing that costs \$0.75 per tinear foot, then how much will it cost to enclose this trapezoid?

4) A patio is to be made in the shape of an isosceles triangle as shown. If the patio is to be covered by stone that costs \$12.25 per square foot, what will the total cost of covering the patio with stone?



Feb 6-8:12 AM