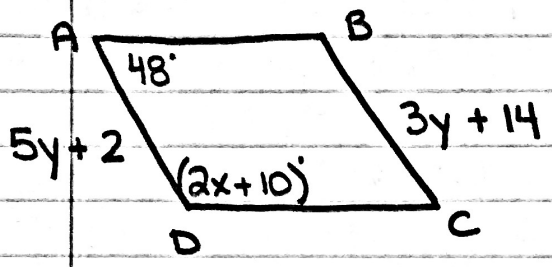
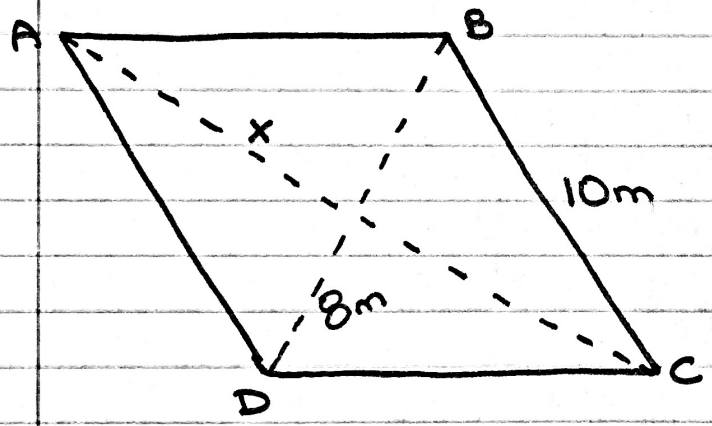
Math 132 Practice Test #3

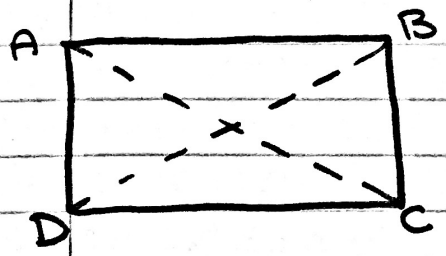
① Given ABCD is a parallelogram solve for x & y.



② Given ABCD is a rhombus solve for x:



③ Given ABCD is a rectangle find the length of $\overline{BD}$.

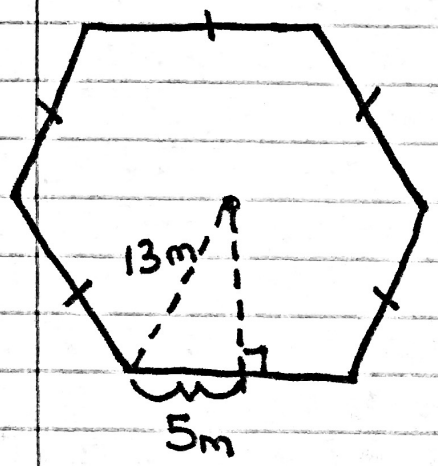


$AC = 7x - 8$

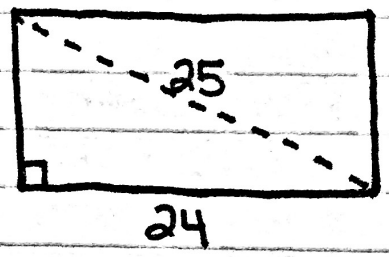
$BD = 4x + 25$

④ What is the area of circle with a diameter of 8 cm?

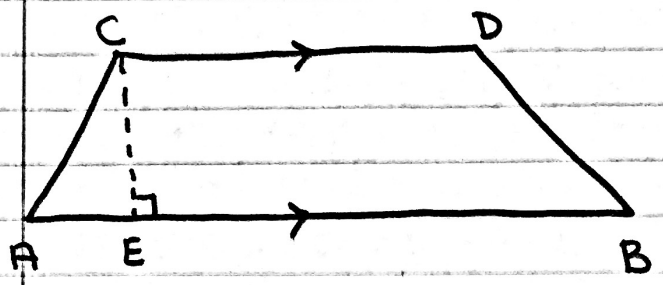
⑤ What is the area of the figure shown:



⑥ What is the area of the rectangle?



7. What is the area of the trapezoid shown:



AB = 20 ft.
CD = 14 ft.
CE = 5 ft.

8. Find the circumference of a circle with area $49\pi\ m^2$.

9. Find the area of a triangle if the hypotenuse is 15m and one side is 9m.

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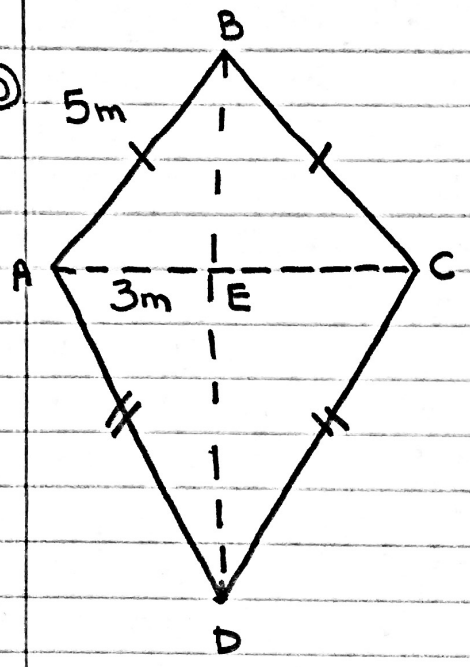

Given:
BD = 11m

Find the perimeter of ◊ABCD. (Round to the nearest tenth)

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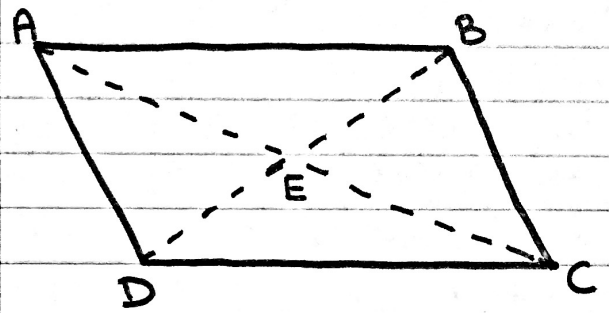

Given: ABCD is a parallelogram

Prove: $\triangle AEB \cong \triangle CED$