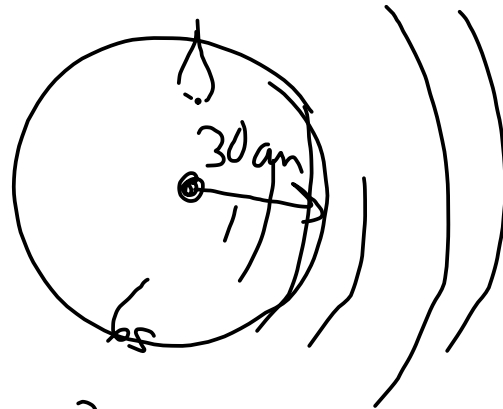


pg208 #6



$$x^2 + y^2 = r^2$$

radius of  
ripple

Speed

5 cm/s

x 6s

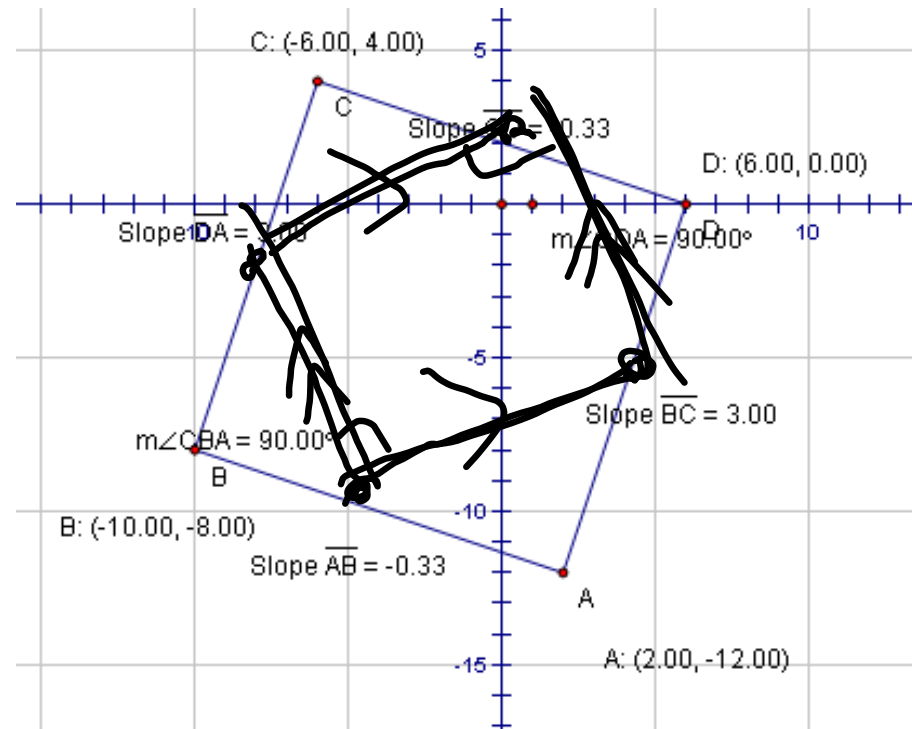
$$r = 30 \text{ cm}$$

$$r^2 = 900$$

$$x^2 + y^2 = 900$$

this models the ripple circle  
at the 6sec. mark.

P.203 #7.



s1 - find midpoints for all edges, AB, BC, CD, DA

s2- connect midpoints to form midsegments

s3- prove that the quadrilateral formed by the midsegments is a square

How?

>>>2 pairs of parallel lines

>>the pairs of slopes are perpendicular to each other

>>>all 4 edges have the same length