lecture triangle A ABC A, B, Cangles LBAC, BAC, A direction ABC 200 14 1\_means 1 had (rd) 1 deg " 1° deg/m 360° = 20 had | Full hotaling

$$77 = 150^{\circ}$$

$$45^{\circ} = 45^{\circ} \cdot \frac{11}{180^{\circ}} = \frac{11}{4} \text{ had}$$

$$249.5^{\circ} = \frac{2495^{\circ}}{10} \frac{11}{180^{\circ}}$$

$$= \frac{12495^{\circ}}{900} \frac{1249}{900} \frac{11}{10}$$

$$\approx 4.36 \text{ had}$$

Section 2.2 Arc length area Nelocity 5 = 12 0 (rad) Controlange 0 - 3/1 CX 1= 18.20 cm 5 = no -182 3/1 2735 = 273 m cm

77 23.11

Area of a pector

A = 1 20 (rad) of

Ahea = 
$$\frac{1}{2} \left( \frac{21}{10} \right)^{2} \frac{7}{5}$$

=  $\frac{9.7^{3}}{10^{3}}$ 

=  $\frac{3.067}{10^{3}}$ 

=  $\frac{3.067}{10^{3}}$ 
 $= \frac{3.067}{10^{3}}$ 
 $= \frac{1}{20} \frac{1}{10^{3}}$ 
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linear velocity (N) milhe Speed = IN/ = distance |N = 5  $N = \frac{s}{t} = \sum_{t=0}^{\infty} s = Nt$ tx s=scm t=2 sec N== = 5 cm/scc Angular speed: w

$$\frac{V \times \# 11}{\Lambda_1 = 2.5 = \frac{25}{10}}$$

$$\frac{\Lambda_2}{\Lambda_2} = 4.5 = \frac{4.5}{10}$$

$$\frac{\Lambda_3}{\Lambda_2} = 225^3$$

$$5 = h_1 o_1 = h_2 o_2$$

$$\frac{5}{2}(225^{-0}) = \frac{2d}{5} o_2$$

$$\frac{5^{-1} q}{16 u \delta}$$

$$\frac{6}{3}$$

$$\frac{5^{-1} q}{16} = \frac{3 \times 5}{16} = \frac{3}{16}$$

 $420 \quad \lambda = 6 \text{ in } \quad 0 = 30^{\circ} = \frac{1}{6}$   $= 6 \cdot \frac{1}{6}$   $= \pi \text{ in }$ 

8,15-317 2,21-325 20,21-329 Cosine Cos (angle) =

5, ne Sin (angle) =

4 angust tan 0 =

Cotagent cot 0 =

secont sec 0 =

Cosceant coc 0 =

Fair :