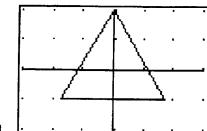
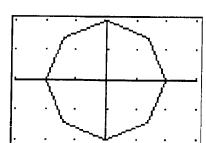
In parametric mode, give the settings needed to produce the following.



$$X_{1T} = 2\cos(t)$$
 $T_{min} = 90$
 $Y_{1T} = 2\sin(t)$ $T_{max} = 450$
 $T_{step} = 120$

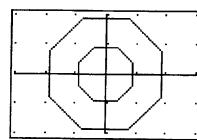


$$X_{1T} = 2\cos(t)$$

$$Y_{1T} = 2\sin(t)$$

$$T_{min} = C$$
 $T_{max} = 36C$
 $T_{step} = 14C$

2.



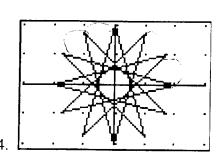
$$X_{1T} = 2\cos(t)$$

 $Y_{1T} = 2\sin(t)$
 $X_{2T} = \cos(t)$
 $Y_{2T} = \sin(t)$

$$T_{min} = 27.5$$

 $T_{max} = 392.5$
 $T_{step} = 44.5$

3.



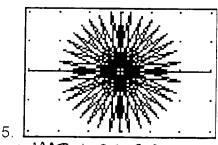
$$X_{1T} = 2 (05(4))$$

 $Y_{1T} = 2 S_{1} n (4)$

$$T_{min} = C$$
 $T_{max} = 150C$
 $T_{step} = 1800/12 = 150$

12 POINTED STAR

SPINS ARDUND STIMES 360 x 5 = 1800



$$X_{1T} = 2 \cos(t)$$

 $Y_{1T} = 2 \sin(t)$

$$T_{min} = O$$

$$T_{max} = 612C$$

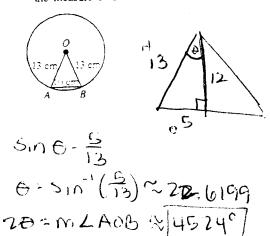
$$T_{step} = 612C$$

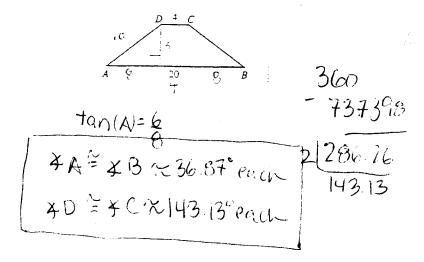
$$3c = 17C$$

BUMATH STAR &

UHM CAN'T SEE HOW MANY TIMES, BUT 36 POINT STAR, BUT TOTAL DELIREES 180 (n-2) = 180 (36-2)/340 = 180 54 = 10120

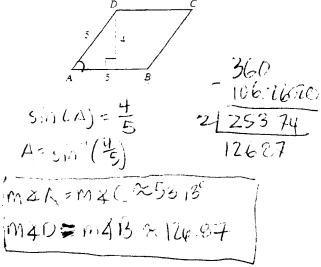
- 7. The radius of circle O is 13 cm and the length of \overline{AB} is 10.cm. Find the measure of $\angle AOB$.
- E The height of an isosceles trapezoid is 6 units and the bases have 4 units and 20 units. Find the measures of the angles.

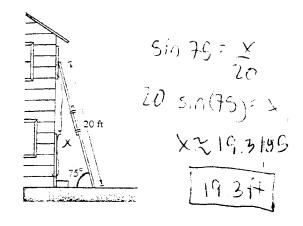




A rhombus has sides 5 units long and its height is 4 units. Find its angles.

10. Length A 20-foot ladder leaning against the side of a house makes a 75° angle with the ground (see figure). How far up the side of the house does the ladder reach?





11. Width of a River A biologist wants to know the width w of a river in order to properly set instruments for studying the pollutants in the water. From point A, the biologist walks downstream 100 feet and sights to point C. From this sighting, it is determined that $\theta = 50^{\circ}$ (see figure). How wide is the river?

