A.

Find the points of intersection of the graphs of the equations:

$r = 1 + \cos\theta$ $r = 1 - \cos\theta$

$(3/2, \pi/6)$ $(3/2, 5\pi/6)$

$(0, 0)$

H.

Find the length of the curve
$r = 1 + \sin\theta$ over the interval
$0 \leq \theta \leq 2\pi$

$(1, \pi/2)$ $(1, 3\pi/2)$ $(0, 0)$

E.

Find the points of intersection of the graphs of the equations:

$$r = 1 + \cos\theta \qquad r = 1 - \sin\theta$$

8

B.

Find the length of the curve
$r = 8(1 + \cos\theta)$ over the interval
$0 \leq \theta \leq 2\pi$

$(1 - \sqrt{2}/2, \; 3\pi/4)$ $(1 + \sqrt{2}/2, \; 7\pi/4)$

$(0, 0)$

F.

Find the points of intersection of the graphs of the equations:

$$r = \theta/2 \qquad r = 2$$

64

Find the length of the curve
$r = 2\theta$ over the interval
$0 \leq \theta \leq \pi/2$

(2, 4) & (2, -4)

G.

Find the points of intersection of the graphs of the equations:

$$r = 4\sin2\theta \qquad r = 2$$

4.158

D.

Find the points of intersection of the graphs of the equations:

$$r = 4 - 5\sin\theta \qquad r = 3\sin\theta$$

$(2, \pi/12)$ $(2, 5\pi/12)$

$(2, 7\pi/12)$, $(2, 11\pi/12)$, $(2, 13\pi/12)$

$(2, 17\pi/12)$ $(2, 19\pi/12)$ $(2, 23\pi/12)$