

test

Grade:

STUDENT ID
LOP



2015-2016

BEYER HIGH SCHOOL

Ex 1:

$a = 2r + 2r$
 $a = 4r$
 $r = \frac{a}{4}$
 $4 \cdot \pi r^2 = \pi \left(\frac{a}{4}\right)^2$

Ex 2:

$f = \frac{a}{2} - r$

Ex 3:

$a^2 = 2r^2 - 2r^2 \cos(90^\circ)$
 $a = \frac{\sqrt{2}}{2} r = \frac{\sqrt{2}}{2} \left[\frac{a}{2} \right] = \frac{\sqrt{2}}{2} \left[\frac{a}{2} \right]$
 $a = a \cos(45^\circ) = \frac{a}{\sqrt{2}}$

