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BECA/HUSON / 1B mate
                                         SOLUNO-5
  PREFEST
  7 oct 2019
1.a) 2.094395...,

≈ 2.09
 b) 0.8660254
2 0.866
2. a) 45,610 & 45,600
 6) 0.00190
3. r= 36 = 18
   V= 4 TT (18)3
   = 24,429.024...
\approx 24,400 \text{ m}^3
4. V=3TT r2(24) = 220,5TT
          r2= 9.1875 x3
          r= 3.0310887... 5.25 cm
         ~ 3.03
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5. a) 0.8 b) A= Sin -1 0.8 = 53.1301... \$ 53.1°

Sin
$$A = 0.89285...$$
 $A = 63.23449...$ $2 = 63.23449...$ or $A = 180 - 63.23...$ $= 114.7655...$ $2 = 117°$

6)
$$BC^2 = 7^2 + 8^2 - 2(7)(8)c_0$$
, 117°
= $47/63, 438...$
 $BC = 12, 78429...$

SOLUPUS

$$|0, a\rangle BD^{2} = 4.2^{2} + 5.1^{2} + -2(4.2)(5.1) cos 78^{\circ}$$

$$= 34.74306,...$$

$$BD = 5.894324...$$

$$5.89$$