1.(1 pt) Decide if the points given in polar coordinates are the same. If so, enter T. If not, enter F.

$(2, \frac{\pi}{3}), (-2, \frac{-\pi}{3})$ _____

$(2, \frac{19\pi}{4}), (2, -\frac{19\pi}{4})$ _____

$(0, 2\pi), (0, \frac{2\pi}{4})$ _____

$(1, \frac{37\pi}{4}), (-1, \frac{\pi}{4})$ _____

$(9, \frac{50\pi}{3}), (-9, \frac{-\pi}{3})$ _____

$(2, 8\pi), (-2, 8\pi)$ _____

2.(1 pt) For each set of Cartesian coordinates (x, y), match the equivalent set of Polar coordinates (r, θ), with $-\pi \leq \theta \leq \pi$

__ 1. $(-7.4, 1.9)$
__ 2. $(-6.9, 5.6)$
__ 3. $(4.4, 2.4)$
__ 4. $(5.8, 5.1)$

A. $(5.0120, 0.4993)$
B. $(7.6400, -0.2513)$
C. $(7.7233, 0.7213)$
D. $(8.8865, -0.6818)$

3.(1 pt) For each set of Polar coordinates, match the equivalent Cartesian coordinates.

__ 1. $(4.0311, 1.4464)$
__ 2. $(9.2309, 0.4006)$
__ 3. $(10.3470, 0.4074)$
__ 4. $(-8.7000, -0.8098)$
__ 5. $(-7.2035, -0.2382)$
__ 6. $(-9.7082, -1.3633)$

A. $(9.5, 4.1)$
B. $(-2, 9.5)$
C. $(8.5, 3.6)$
D. $(-6, 6.3)$
E. $(0.5, 4)$
F. $(-7, 1.7)$