

Name: _____

Choose D for “None of these”

21. Which of these polar coordinates gives the point $(-\sqrt{3}, 1)$?
- A. $p(\sqrt{2}, 3\pi/4)$
 - B. $p(\sqrt{3}, \pi/3)$
 - C. $p(2, 5\pi/6)$
22. Convert the circle $x^2 + (y - 4)^2 = 16$ into a polar equation.
- A. $r = 16$
 - B. $r = 8 \sin \theta$
 - C. $r = 12 \cos^2 \theta - 4 \sin^2 \theta$
23. Which of these equations gives the curve drawn on the board?
- A. $r = 3 + 3 \cos \theta$
 - B. $r = 3 - 3 \sin \theta$
 - C. $r = 3 \tan \theta$