

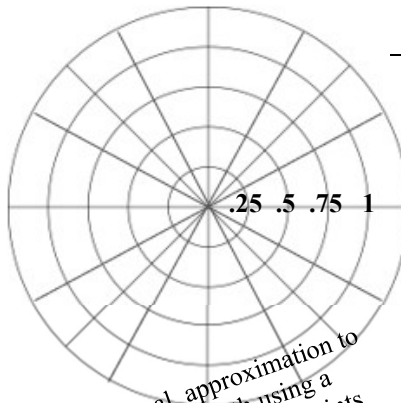
# 8.2 POLAR GRAPHING

NAME:

PER:

warm up equation:  $r = \sin\theta$

$\theta$	r
0	
$\frac{\pi}{6}$	
$\frac{\pi}{3}$	
$\frac{\pi}{2}$	
$\frac{2\pi}{3}$	
$\frac{5\pi}{6}$	
$\pi$	



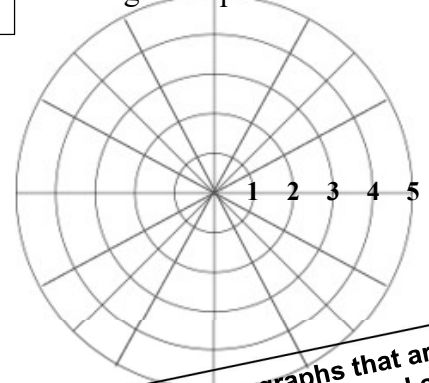
Find decimal approximation to the nearest tenth using a calculator, then graph points  $(r, \theta)$  using the given increments.

warm-up

$\theta$	r
$\frac{7\pi}{6}$	
$\frac{4\pi}{3}$	
$\frac{3\pi}{2}$	
$\frac{5\pi}{3}$	
$\frac{11\pi}{6}$	
$2\pi$	

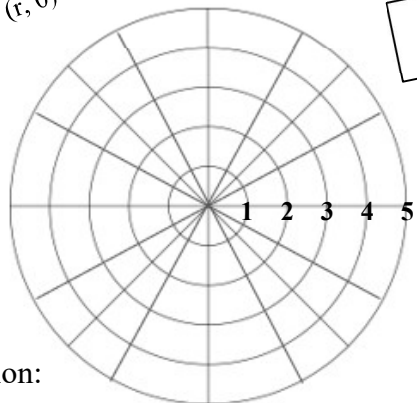
given equation:  
rectangular equation:

17



Use given increments to draw complete graphs that are fairly accurate. Plot key points on horizontal & vertical axes.

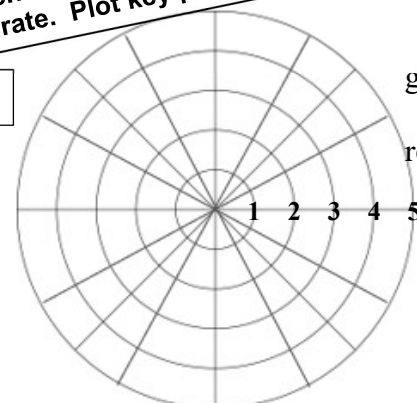
18



given equation:

rectangular equation:

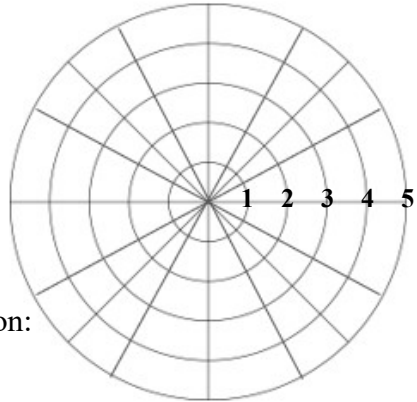
19



given equation:

rectangular equation:

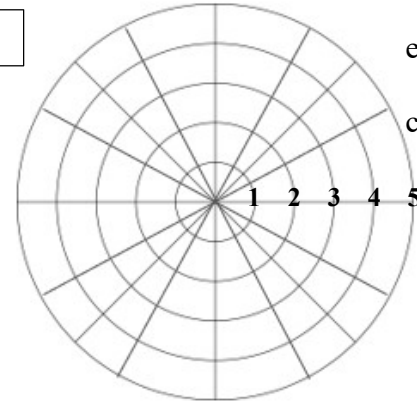
20



given equation:

rectangular equation:

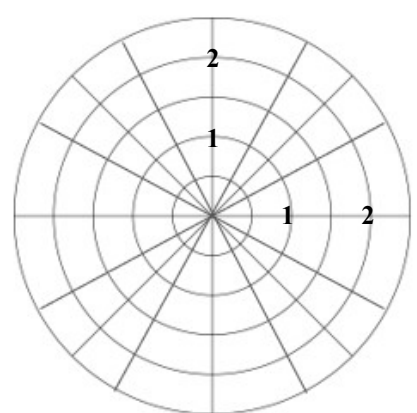
24



equation:

classification:

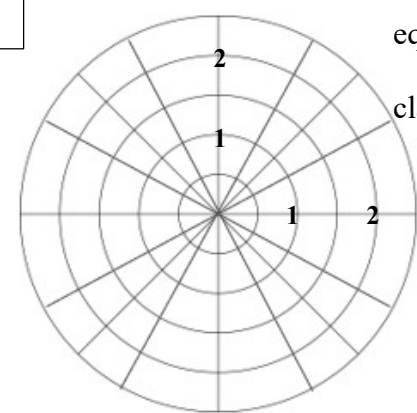
26



equation:

classification:

28

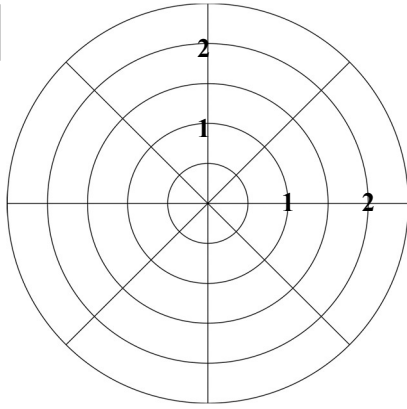


equation:

classification:

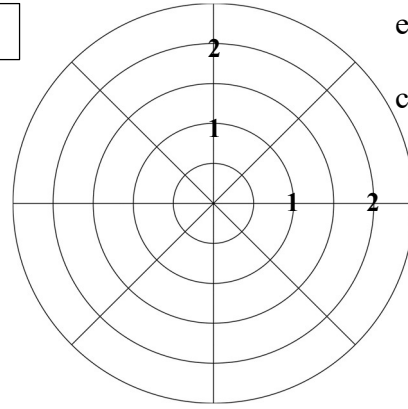
30

equation:  
classification:



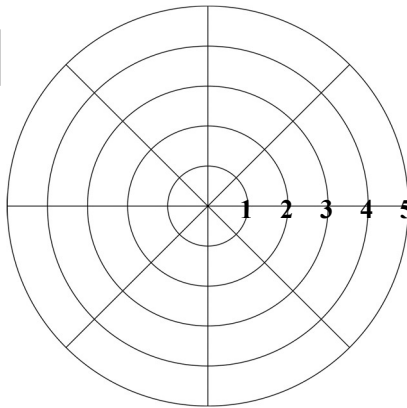
32

equation:  
classification:



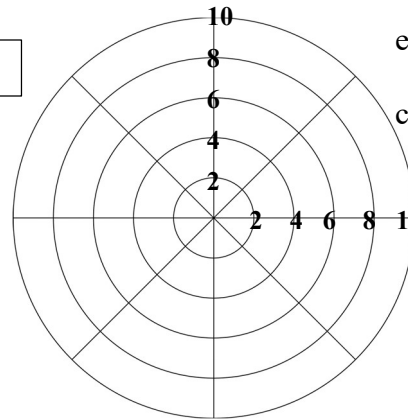
34

equation:  
classification:



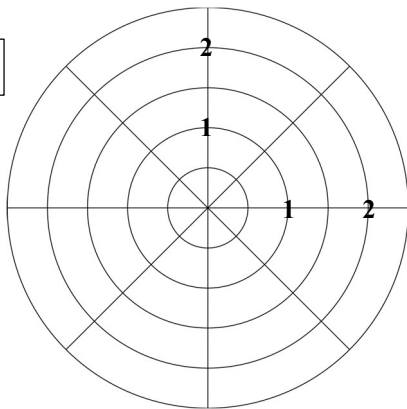
40

equation:  
classification:



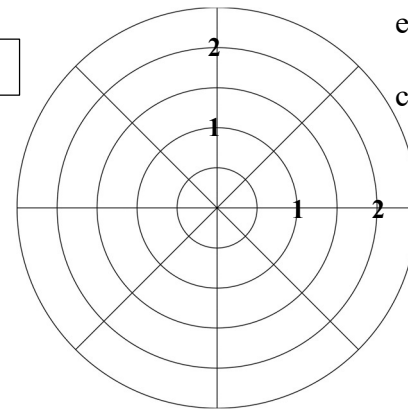
41

equation:  
classification:



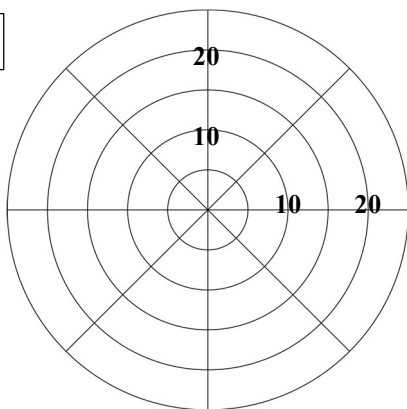
42

equation:  
classification:



43

equation:  
classification:



44

equation:  
classification:

