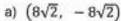
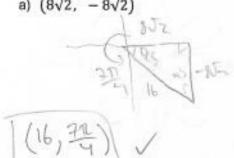
Analysis H - Hahn / Hl	asek / Tantod
Unit 3 Quiz 1 - Polar gr	raphing
NO CALCULATORS	W2 9 4



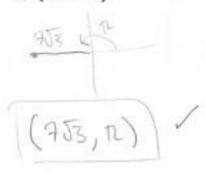
NSEN	_ loves Analysis, for richler or polar
	Period: 6

1. Convert the rectangular points to polar coordinates with positive r and $0 \le \theta < 2\pi$. [2 pts each]

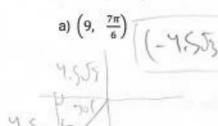


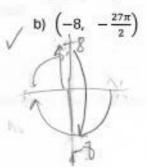


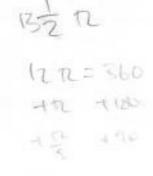
b)
$$(-7\sqrt{3}, 0)$$

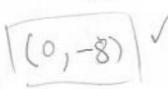


2. Convert the polar points to rectangular coordinates. [2 pts each]



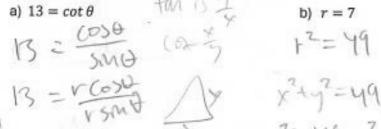






3. Convert the polar equation to rectangular. Give your answers in the form of y as a function of x. [2 pts each]

a)
$$13 = \cot \theta$$

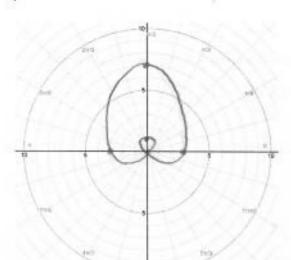


b)
$$r = 7$$



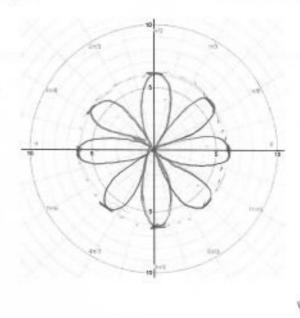
4. Graph each equation. Then classify each graph according to its most specific name. [2 for graph, 1 for name]

a) $r = 3 + 4 \sin \theta$



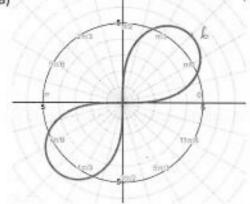
Name: Inher lop limition

b) $r = 6 \cos 4\theta$

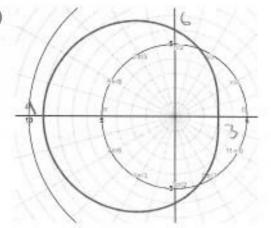


hose curve

5. Write the equation of each graph. Then classify each graph according to its most specific name. [2 for equation, 1 for name]



Equation: $\sqrt{2} = 365 \text{MZH}$ Name: 10 MNiSCALC



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