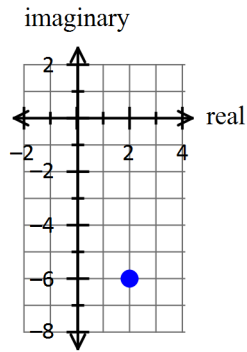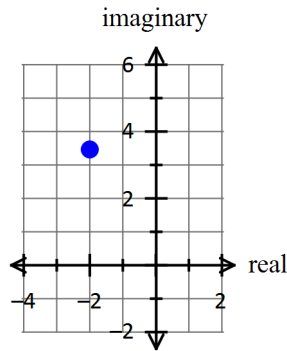**Precalculus**
7.3 Odd Answers
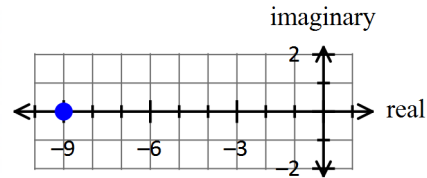
1. $|2-6i| = 2\sqrt{10}$ 3. $|-2+2\sqrt{3}| = 4$ 5. $|-9| = 9$

7. $3\sqrt{2}\left(\cos 135° + i\sin 135°\right)$ 9. $20\left(\cos 300° + i\sin 300°\right)$

11. $2\sqrt{5}\left(\cos 243.4° + i\sin 243.4°\right)$

13. $18\sqrt{2}\left(\cos\left(7\pi/4\right) + i\sin\left(7\pi/4\right)\right)$ 15. $14\left(\cos\left(7\pi/6\right) + i\sin\left(7\pi/6\right)\right)$

17. $3\sqrt{3}+3i$ 19. $-4i$ 21. $\dfrac{9}{2} - \dfrac{3i\sqrt{3}}{2}$

23. $6i$ 25. $-12\sqrt{2}+12i\sqrt{2}$ 27. $\sqrt{3}+i$

29. $-3-3i\sqrt{3}$ 31. 36

33. $z_1 z_2 = -40i,\ \ z_1/z_2 = -4/5$ 35. $z_1 z_2 = 18+26i,\ \ z_1/z_2 = -3-i$