

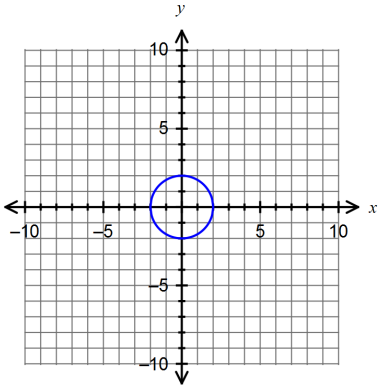
Precalculus

8.1 HW – Odd Answers

1. a) $x^2 + y^2 = 4$

b) $x^2 + y^2 - 4 = 0$

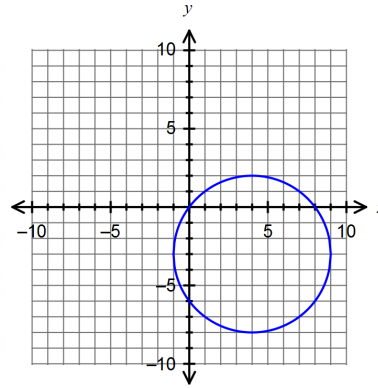
c)



3. a) $(x-4)^2 + (y+3)^2 = 25$

b) $x^2 + y^2 - 8x + 6y = 0$

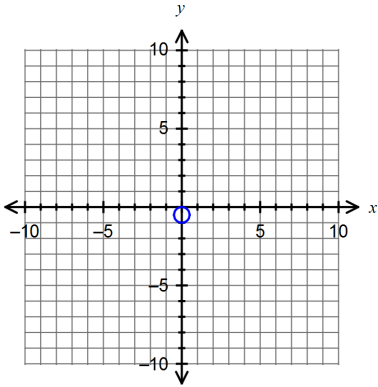
c)



5. a) $x^2 + (y+1/2)^2 = 1/4$

b) $x^2 + y^2 + y = 0$

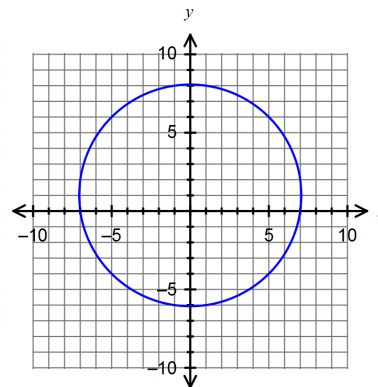
c)



7. a) Center: $(0,1)$; $r = 5\sqrt{2}$

b) x-ints: $(\pm 7, 0)$, y-ints: $(0, 1 \pm 5\sqrt{2})$

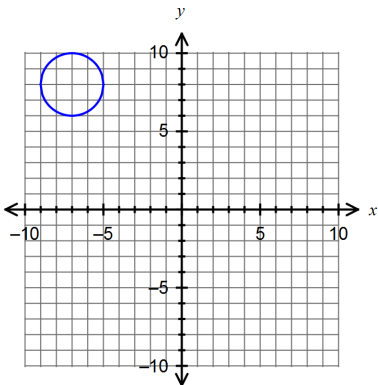
c)



9. a) Center: $(-7, 8)$; $r = 2$

b) no intercepts

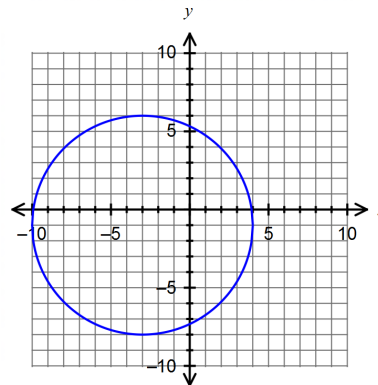
c)



11. a) Center: $(-3, -1)$; $r = 7$

b) x-ints: $(-3 \pm 4\sqrt{3}, 0)$, y-ints: $(0, -1 \pm 2\sqrt{10})$

c)



13. $(x+1)^2 + (y-10)^2 = 25$

15. $(x+9)^2 + (y+2)^2 = 36$

17. $36\pi - 72$