


Circles

Monday	Tuesday/Wednesday	Thursday/Friday
3/25 Lines and Segments that Intersect Circles #1: p. 534: 5-10, 23-25, 29,31, 32, 36, 38 Bring a laptop next class if you have one.	3/26-27 Equation of Circles in Standard Form Desmos Activity (bring laptop) #2: p. 579: 3-7, 9-14, 26 & Extra problems below.	3/27-28 Finding Arc Measures #3: p. 542: 3,5, 7-16, 23, 24, 26, 27 & Extra problems below
4/1-2 Monday-Tuesday (40 minute class) Inscribed Angles and Polygons #4: p. 558: 1-17	4/3 Wednesday (50 minute class) More Inscribed Angles #5: Handout	4/4-5 (90 minute class) Group Quiz Circles in the Coordinate Plane Completing the Square #6: p. 579: 15-18, 29, 32 (for 29 and 32 graph the circle and the line to find the answer)
4/8	4/9-10	4/11-12
S P R I N G B R E A K		
4/15 Circles and Completing the Square #7: Handout	4/16-17 Review #8: Handout	4/18-19 Ch. 10 Test #9: Algebra Review

Extra Problems:

HW #2: (add these problems to your homework for assigned on 3/26-27)	<p>Multiply:</p> <p>a) $(x + 2)(x - 5)$</p> <p>b) $(x + 3)^2$ </p> <p>Hint: Think of this as $(x + 3)(x + 3)$</p> <p>c) $(2x - 1)(3x + 4)$</p> <p>d) $(3x + 4)^2$</p> <p>e) $(x - 7)^2$</p>	<p>Factor:</p> <p>f) $x^2 + 10x + 25$</p> <p>g) $x^2 + 12x + 36$</p> <p>h) $2x^2 + 7x - 15$</p> <p>Simplify (factor and cancel common factors):</p> <p>i) $\frac{x^2 - 9}{x^2 + 6x + 9}$</p> <p>j) $\frac{x^2 + 8x + 16}{x^2 + 10x + 24}$</p>	
HW #3: (add these problems to your homework for assigned on 3/27-28)	<p>Find the center and radius of each circle:</p> <p>a) $x^2 + y^2 = 100$</p> <p>b) $(x - 2)^2 + (y + 3)^2 = 4$</p> <p>c) $(x^2 + 6x + 9) + (y^2 - 10y + 25) = 16$</p> <p>Hint: factor the expressions above.</p>	<p>Simplify (factor and cancel common factors):</p> <p>d) $\frac{x^2 - 36}{x^2 - 12x + 36}$</p> <p>e) $\frac{5x^2 - 10x}{2x^2 - 5x - 25}$</p>	<p>Simplify each expression:</p> <p>f) $\frac{9x^5 y^2}{12x^2 y^7}$</p> <p>g) $(3x^2 y^5)^3$</p> <p>h) $(3xy^4)(2xy^3)$</p>