SM3. A5E Conversions & Length of Arcs	Name
 Find the measure of the angle that is coterminal to the angle. (Get the angle back to the equivalent version in the first rotation.) a) 600° = b) - 225° 	 2. Find the measure of the angle that is coterminal to the angle. (Get the angle back to the equivalent version in the first rotation.) a) ^{11π}/₄ = b) ^{-5π}/₆
c) 675°	c) $\frac{11\pi}{3}$
3. The point (3,-5) is on the terminal side of an angle in standard position. Determine the exact value of the six trig functions.	 4. Convert the following from degrees to radians. a) 130° = b) 175° c) 205° d) -235°
 5. Convert from Radians to Degrees a) 5π/7 b) 13π/8 c) 1.4 d) 2.7 	 6. Approximate which letter corresponds with the following radian measures a) 2.5 radian. b) 1 radians c) 6 radians

7. Given the $cos\theta = -\frac{5}{6}$, and you are in Quadrant III, find the value of the 6 trig functions.	 Solve the following triangle when b = 6 and c = 15.
	Angle A= Angle B = Side a=
Find the exact value of each expression.	

7. $sin(\frac{8\pi}{3})$	8. $cos(\frac{-5\pi}{6})$	9 . <i>tan</i> (-150 ^o)	10. $sec(\frac{5\pi}{4})$
11. $csc(-45^{\circ})$	12. $cot(\frac{7\pi}{6})$	13. $sin(\frac{-\pi}{2})$	14. $csc(\pi)$
15. $cot(\frac{5\pi}{2})$	16. $cos(\frac{3\pi}{2})$	17. $sec(\frac{\pi}{2})$	18. <i>cot</i> (0)

19. Given the tan $\theta = -\sqrt{3}$ and you are in Quadrant II, find the exact value of the six trig functions.	20. Rationalize the following: $\frac{2}{\sqrt{3}}$



