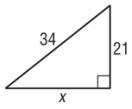
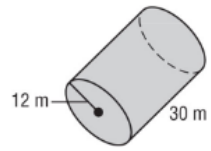
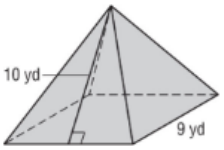
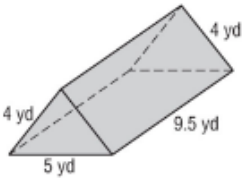
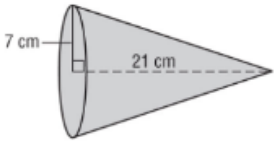
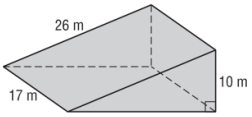
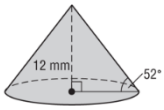
Pre IB Algebra II AB Spring Final Review 2022

Lesson	Page and Problems	Answers
4 – 3	Pg 243: 59 and 64	#64 = $\frac{1}{4}$ and $\frac{3}{2}$
5 – 3	Pg 327: 35 and 36	#36 = a) as x goes to -∞ the function goes to +∞ as x goes to +∞ the function goes to -∞ b)odd c)1
5 – 4	Pg 335: 39	
5 – 5	Pg 347: 58 and 59	#58 = $\pm\frac{1}{2}$ and $\pm\frac{i\sqrt{6}}{2}$
6 – 1	Pg 390: 41 and 47	
6 – 2	Pg 396: 15, 17 and 19	
6 – 5	Pg 419: 9, 11, 21, 33 and 37	
6 – 6	Pg 426: 17, 31, 45 and 55	
7 – 2	Pg 464: 13	
7 – 3	Pg 472: 21	
7 – 4	Pg 480: 9	
7 – 5	Pg 489: 37, 39, 45 and 47	
8 – 1	Pg 534: 33	
8 – 2	Pg 541: 5 and 9	
8 – 6	Pg 576: 35	
10 – 2	Pg 671: 43	
10 – 3	Pg 678: 43 and 45	
10 – 4	Pg 686: 5 and 7	
Pythagorean Theorem	1 – A right triangle has one leg that is 11 cm. The hypotenuse is 22 cm. Find the length of the other leg. 2 – Find the value of x 	1 = 19.05 2 = 26.74
Angles of elevation and depression	Find the measure of the angle of elevation of the sun when a flag pole that is 12ft tall casts as shadow that is 18ft long.	33.69°
Soh Cah Toa	The leg opposite to ∠A in a right triangle measures 15 units and the hypotenuse measures 22 units. Draw a picture and find Sin A.	$\frac{22}{15}$
Law of Sines and Cosines	1 – In a triangle, the measure an angle is 37° and the opposite side is 14m. The measure of a different angle is 51°. Find the length of the side opposite this angle. 2 – In a triangle, two of the sides measure 9 and 4 and the angle between is 27°. Find the missing side length.	1 = 18.08 2 = 5.73

Surface Area	1 – Find the surface area a.  b.  c.  d.  	a = 1008π or 3166.73 b = 261 c = 139.1 d = 203.98π or 640.82
Volume	a.  b.  	a = 2040 b = 351.94π or 1105.65