**ACCELERATED GEO REVIEW ANSWERS**

1. A) 2PAIRS OF CONGRUENT SIDES

B) THE DIAGONAL IS THE HYPOTENUSE OF TWO TRIANGLES WHOSE SIDE LENGTHS ARE PYTHAGOREAN TRIPLES.

1. 36 un
2. (not enough info as shown) If 30-60-90 triangle, then ,
3. Cos x = 40/41 sin x = 9/41
4. a. b.
5. a. 16.2 un b. 6.6 un
6. 127 ft
7. The distance of 7.5 ft. found in Sieera’s equation is the horizontal distance from the truck to the foot of the ramp. Not the length of the ramp itself.
8. 518.3 m
9. q = 57.6 un , R = , P =
10. G =
11. X = 9 miles , y = 11 miles
12. a, b, d, e are false
13. x= 9.7 un
14. a. 4:1 b. 16:1 c. 64:1
15. 11,781 gallons
16. 7 in.
17. , so prism is larger
18. 6.2 cm
19. ( 0, 1) ( 0 , -1)
20. Undefined