

N3CS19

Practice Set 06

Instructions: Answer each question on loose leaf, quad-ruled (graph paper), headed properly and written in lead-graphite. Remember to fold paper along the center, work exercises in order top to bottom, left column then right column. Staple multiple pages

1) Glencoe Volume 1 (GV1) pg. 29, #26

2) GV1 pg. 75, #8

3) Emari Demarcardo, CCCS'13 Alumnus and running back for the Texas Christian University (TCU) Horn Frogs can run a 40-yard dash (**distance**) in 4.5 seconds (**time**). What would be his average **speed** in feet/second? Recall there are 3ft/yard.

4) GV1 pg. 12, #12

5) GV1 pg. 13 # 26

6) Evaluate $b^2 - 4ac$, where $a = -2$, $b = -4$, and $c = 1$

7) Find the difference: $\frac{2}{3} - \frac{5}{8} =$

8) Simplify: $2 + 3(5 \div 7 \cdot 4) - 8$

BONUS: Evaluate $\sqrt{b^2 - 4ac}$, where $a = -2$, $b = -4$, and $c = 1$; is the result rational or irrational? Justify your argument with evidence.

