

## Princeton Test 2

### Grammar

#### 30) Punctuation

~~A)~~ HS, 'HS

B) HS HS

~~C)~~ HS, HS

~~D)~~ HS — HS

[ \* comma = dash (check for phrases that you can take)  
semicolon = period  
;  
: always comes after FS

#### 34) Punctuation

~~A)~~ HS;

~~B)~~ HS

C) HS,

~~D)~~ HS —

#### 6) Transitions (Mini-Topics)

- ① Netflix changes people interactions
- ② changes employees

#### 13) Parallelism

"those who critiqued"

A)

B)

~~C)~~

~~D)~~

#### 26) Vocab-In-Context

- fill in blank

B)

formalkey

~~A)~~

B)

~~C)~~

D)

## Math Calculator

22) Circles ★

Always want standard form (use complete square!)

$$x^2 - 6x + \frac{9}{(\frac{6}{2})^2} + y^2 + 8y - 16 = -9 + 9 + 16$$

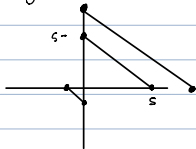
$$(x-3)^2 + (y+4)^2 = 16$$

$$r=4$$

$$\text{center} = (3, -4)$$

27) Linear Equation

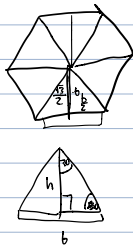
xy plane → DRAW!



$$t-s=0$$

$$t=s$$

28)



$$6 \cdot \frac{1}{2} b \cdot h \quad 864 \sqrt{3} = 3 b \cdot \frac{\sqrt{3}}{2} \cdot b$$

$$864 = \frac{3}{2} b^2$$

$$h = \frac{\sqrt{3}}{2} b$$

$b=24 \rightarrow$  Area middle triangle

38)

$$C = 10,500$$

$$P_1 = 4200 + 0.3(4200) \left( 1 - \frac{4200}{10,500} \right)$$

$$P_1 = 4956$$

$$P_2 = P_1 + 0.3(4956) \left( 1 - \frac{4956}{10,500} \right)$$

$t+1$

$$5741$$