

Spring Final Review 2nd Installment Answers

$$V_{AF} = 40 \text{ V}$$

$$V_{AE} = 72 \text{ V}$$

$$V_{DF} = -11 \text{ V}$$

$$V_{DC} = 21 \text{ V}$$

$$I_1 = 17 \text{ A}$$

$$I_2 = 8 \text{ A}$$

$$I_3 = 9 \text{ A}$$

$$I_4 = 6 \text{ A}$$

$$I_2 = 4.5 \text{ A}$$

$$I_3 = 3 \text{ A}$$

$$V_{AB} = 60 \text{ V}$$

$$V_{CB} = 15 \text{ V}$$

$$V_{AD} = 36 \text{ V}$$

$$R_T = 8 \Omega$$

Into the page

Out of the page

0.83 A

2.7 W

3.57 E 6 m/s

0.6 N

left

into the page

out of the page

right

step down; 10x smaller; 12 V; 10 A; 120 W

0.8 m/s

2 Hz

3.41 m

2.4 m/s

4 Hz