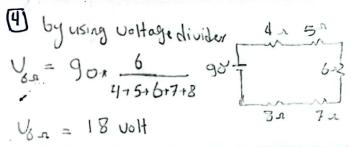
Theet 1 solution

(3)
$$P = VI$$

 $V = \frac{P}{V} = \frac{6}{15} = 0.4 \text{ A}$
 $V = \frac{15}{15} = 37.5 \text{ A}$
 $V = 8 + 37.5 = \frac{120}{0.4} = 300 \text{ A}$
Total resistance



$$V_{4} = 15 * \frac{8^{-1}}{6+8+11+10+15} = 2.4v$$

$$V_{5} = 15 * \frac{1}{6+8+11+10+15} = 3.3v$$

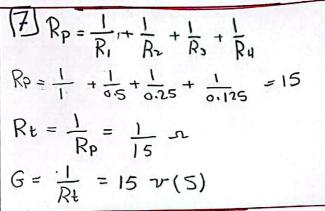
$$V_{6} = 15 * \frac{1}{6+8+11+10+15} = 3.3v$$

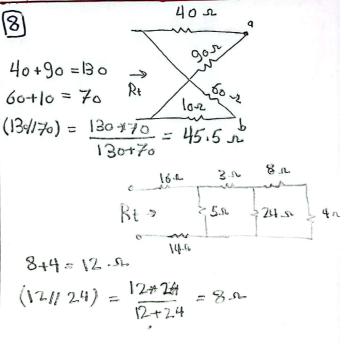
$$V_{7} = 15 * \frac{1}{6+8+11+10+15} = 3.3v$$

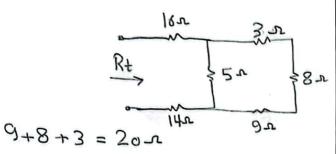
$$V_{8} = 15 * \frac{1}{6+8+11+10+15} = 3.3v$$

$$V_{9} = 15 * \frac{1}{20} = 3.3v$$

$$V_{9} = \frac{1}{20} = \frac{120}{24} = 5 \text{ A} = \frac{120}{24} = 5 \text{ A} = \frac{120}{24} = \frac{120}{24$$

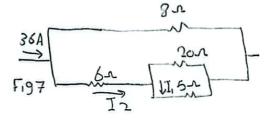






$$20/15 = \frac{20 \times 5}{20 + 5} = 4 - 1$$

19 using current divider To Find I, I2



$$I_2 = 36 * \frac{8}{8 + 10}$$

$$= 16 A$$

$$I_2 = 36 * \frac{8}{12} = \frac{36}{12}$$

From Fig 7
$$I_1 = 16 * \frac{20}{20+5} = 12.8 \text{ A}$$