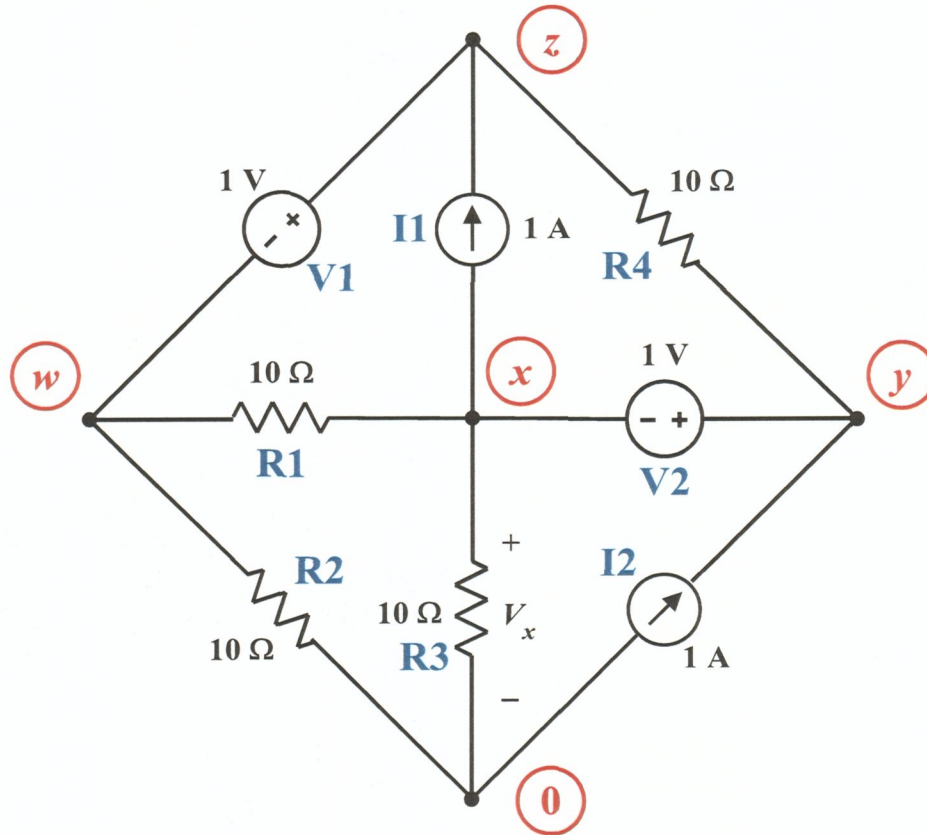


EE 2240  
**Problem #06**

Node and component labels have been pre-assigned in the circuit shown. Use PSpice to determine the value of  $V_x$ .



Problem #06

```

V1 z w DC 1
I1 x z DC 1
R4 z y 10
R1 w x 10
V2 y x DC 1
R2 w 0 10
R3 x 0 10
I2 0 y DC 1
.end

```

Problem #06

```
V1 z w DC 1
I1 x z DC 1
R4 z y 10
R1 w x 10
V2 y x DC 1
R2 w 0 10
R3 x 0 10
I2 0 y DC 1
.end
```

\*\*\*\* 02/12/15 13:43:28 \*\*\*\*\* PSpice Lite (October 2012) \*\*\*\*\* ID# 10813 \*\*\*\*

Problem #06

\*\*\*\* CIRCUIT DESCRIPTION

\*\*\*\*\*

```
V1      z      w      DC      1
I1      x      z      DC      1
R4      z      y      10
R1      w      x      10
V2      y      x      DC      1
R2      w      0      10
R3      x      0      10
I2      0      y      DC      1
```

.end

†  
\*\*\*\* 02/12/15 13:43:28 \*\*\*\*\* PSpice Lite (October 2012) \*\*\*\*\* ID# 10813 \*\*\*\*

Problem #06

\*\*\*\* SMALL SIGNAL BIAS SOLUTION TEMPERATURE = 27.000 DEG C

\*\*\*\*\*

NODE	VOLTAGE	NODE	VOLTAGE	NODE	VOLTAGE	NODE	VOLTAGE
( w)	6.0000	( x)	4.0000	( y)	5.0000	( z)	7.0000

$V_x = 4V$

VOLTAGE SOURCE CURRENTS

NAME	CURRENT
V1	8.000E-01
V2	1.200E+00

TOTAL POWER DISSIPATION -2.00E+00 WATTS

JOB CONCLUDED

♀  
†  
\*\*\*\* 02/12/15 13:43:28 \*\*\*\*\* PSpice Lite (October 2012) \*\*\*\*\* ID# 10813 \*\*\*\*

Problem #06

\*\*\*\* JOB STATISTICS SUMMARY

\*\*\*\*\*

♀  
†  
Total job time (using Solver 1) = 0.00